CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Mar. 13	Port Huron, Mich.	Mar. 2
Mar. 13	New York, N. Y.	Mar. 9
Mar. 13	St. George, S. I., N. Y.	Mar. 9
Mar. 14	Milwaukee, Wis.	Mar. 9
Mar. 16	Bethany, Neb.	Mar. 9
Mar. 18	Milwaukee, Wis.	Mar. 9
Mar. 20	Wash., D. C.	Mar. 9
	Adv. Mar. 9.	
Mar. 20	Newburgh, N. Y.	Feb. 23
Mar. 20	New Orleans, La.	Jan. 26
	Adv. Jan. 26 to Mar. 9.	
Mar. 21	Houston, Minn.	Mar. 9
Mar. 22	Reading, Pa.	Mar. 9
	Adv. Mar. 9.	
Mar. 24	Thurston, Neb.	Mar. 9
Mar. 28	Walla Walla, Wash.	Mar. 9
	Adv. Jan. 26 to Mar. 2.	
Mar. 28	Fallon, Nev.	Feb. 23
Apr. 12	San Francisco, Cal.	Mar. 9

SEWERS

Mar. 13	Annandale, Minn.	Feb. 23
Mar. 13	Englewood, Col.	Mar. 2
Mar. 14	Clinton, Ia.	Mar. 9
Mar. 15	Eldorado, Ill.	Mar. 9
	Adv. Mar. 9.	
Mar. 16	Romeo, Mich.	Mar. 2
Mar. 17	Delavan, Wis.	Mar. 9
Mar. 20	Plainfield, N. J.	Mar. 2
Mar. 20	Kalamazoo, Mich.	Mar. 9
	Adv. Mar. 9.	
Mar. 22	Towson, Md.	Mar. 9
	Adv. Mar. 9.	
Mar. 27	Johnstown, Pa.	Mar. 9
	Adv. Mar. 9.	
Mar. 29	Glendale, O.	Mar. 9
	Adv. Mar. 9.	
Mar. 30	Indianapolis, Ind.	Mar. 9
	Adv. Mar. 9.	
Apr. 1	Lima, O.	Mar. 2
	Adv. Mar. 2 and 9.	
Apr. 10	Los Angeles, Cal.	Feb. 16

BRIDGES

Mar. 11	Berea, O.	Mar. 9
Mar. 14	Holyoke, Mass.	Feb. 9
Mar. 14	Trenton, N. J.	Mar. 2
Mar. 14	Rayville, La.	Mar. 2
Mar. 14	Wyoming	Mar. 2
Mar. 15	Guerneville, Cal.	Mar. 2
Mar. 15	North Carolina	Mar. 2
Mar. 17	Missouri	Mar. 9
Mar. 27	Lancaster, Pa.	Mar. 9
	Adv. Mar. 9.	
Mar. 27	Johnstown, Pa.	Mar. 9
	Adv. Mar. 9.	
Mar. 27	Colorado	Mar. 9
Mar. 31	Alabama	Mar. 9
Apr. 4	West Virginia	Mar. 9
Oct. 31	Sydney, Australia	Jan. 12

DAMS

Mar. 21	Imperial, Neb.	Mar. 2
Apr. 3	Basin, Wyo.	Mar. 9
	Adv. Mar. 9.	

EXCAVATION AND DREDGING

Mar. 13	Brooklyn, N. Y.	Mar. 9
Mar. 15	Elk River, Minn.	Feb. 9
Mar. 15	Primghar, Ia.	Mar. 9
Mar. 21	Wheaton, Minn.	Mar. 9
Mar. 23	Cleveland, O.	Mar. 9
Mar. 24	Redwood Falls, Minn.	Mar. 9
Mar. 25	Sheboygan, Wis.	Mar. 9
Apr. 10	Ontario	Mar. 9
	Adv. Mar. 9.	

STREETS AND ROADS

Mar. 13	Reno, Nev.	Feb. 23
Mar. 13	South Pasadena, Cal.	Mar. 2
Mar. 13	Coleman, Tex.	Mar. 2
Mar. 13	Mason City, Ia.	Mar. 2
Mar. 13	Cincinnati, O.	Mar. 9
Mar. 13	New York, N. Y.	Mar. 9
Mar. 13	St. James, Minn.	Mar. 9
Mar. 14	New Orleans, La.	Mar. 9
Mar. 14	Milwaukee, Wis.	Mar. 9
Mar. 14	Denver, Col.	Mar. 9
Mar. 14	Mexia, Tex.	Mar. 9
Mar. 14	San Angelo, Tex.	Mar. 9
Mar. 14	Omaha, Neb.	Mar. 9
Mar. 14	Bucyrus, O.	Mar. 9
Mar. 14	Paragould, Ark.	Mar. 9
	Adv. Mar. 2 and 9.	

Bids Close		See Eng. News-Record
Mar. 14	Sheboygan Falls, Wis.	Jan. 26
Mar. 14	Wichita, Kan.	Feb. 16
Mar. 14	New York	Feb. 23
	Adv. Feb. 23 to Mar. 9.	
Mar. 14	Columbia, S. C.	Mar. 2
Mar. 14	Modesto, Cal.	Mar. 2
Mar. 14	Wyoming	Mar. 2
Mar. 14	Wisconsin	Mar. 2
Mar. 14	Clinton, Ia.	Mar. 9
Mar. 14	Warren, O.	Mar. 9
Mar. 14	Columbus, O.	Mar. 9
Mar. 15	Somerville, N. J.	Mar. 9
Mar. 15	Pipestone, Minn.	Feb. 23
Mar. 15	Albuquerque, N. M.	Feb. 23
	Adv. Feb. 23 to Mar. 9.	
Mar. 15	Wash., D. C.	Mar. 2
Mar. 15	Port Huron, Mich.	Mar. 9
Mar. 15	Orlando, Fla.	Mar. 9
Mar. 15	Brooklyn, N. Y.	Mar. 9
Mar. 16	Leavenworth, Kan.	Mar. 2
Mar. 17	Missouri	Mar. 9
Mar. 17	Boone, Ia.	Mar. 9
Mar. 17	Jefferson, Wis.	Mar. 9
Mar. 17	Akron, O.	Mar. 9
Mar. 17	Jamestown, N. Y.	Mar. 9
Mar. 18	Shadyside, O.	Mar. 9
Mar. 18	Pontiac, Mich.	Mar. 9
Mar. 20	Spring Lake, N. J.	Mar. 2
	Adv. Mar. 2 and 9.	
Mar. 20	Plainfield, N. J.	Mar. 2
	Adv. Mar. 2 and 9.	
Mar. 20	Seattle, Wash.	Mar. 2
Mar. 20	Ohio	Mar. 4
Mar. 20	Montesano, Wash.	Mar. 9
Mar. 20	Lodi, Cal.	Mar. 9
Mar. 20	Kalamazoo, Mich.	Mar. 9
	Adv. Mar. 9.	
Mar. 21	Washington	Mar. 9
Mar. 21	Denver, Col.	Mar. 9
Mar. 21	Massachusetts	Mar. 9
Mar. 21	Little Falls, Minn.	Mar. 9
Mar. 21	New Berlin, N. Y.	Mar. 9
	Adv. Mar. 9.	
Mar. 21	Manasquan, N. J.	Mar. 9
	Adv. Mar. 9.	
Mar. 21	Alabama	Mar. 2
Mar. 22	Bad Axe, Mich	Mar. 9
Mar. 22	Baltimore, Md.	Mar. 9
	Adv. Mar 9.	
Mar. 22	Alabama	Mar. 2
Mar. 22	Fergus Falls, Minn.	Mar. 2
Mar. 24	Elkins, W. Va.	Mar. 9
Mar. 24	Minneapolis, Kan.	Mar. 9
Mar. 27	Babylon, N. Y.	Mar. 2
Mar. 27	Jersey City, N. J.	Mar. 9
Mar. 28	Alabama	Mar. 2
Mar. 28	Massachusetts	Mar. 9
Mar. 28	Atchison, Kan.	Mar. 9
Mar. 29	Alabama	Mar. 2
Mar. 31	Kalamazoo, Mich.	Mar. 9
Apr. 1	Granfield, Okla.	Feb. 2
Apr. 4	Shawno, Wis.	Feb. 23
Apr. 4	Somerville, N. J.	Mar. 9
	Adv. Mar. 9.	
Apr. 4	Mound City, Kan.	Mar. 9
Apr. 4	West Virginia	Mar. 9
Apr. 6	Pensacola, Fla.	Mar. 9
	Adv. Mar. 9.	
May 15	Pipestone, Minn.	Mar. 9

INDUSTRIAL WORK

Mar. 14	Danville, Ill.	Mar. 9
Mar. 15	Enfield, N. C.	Mar. 2
	Adv. Feb. 23 to Mar. 9.	
Mar. 15	Phila., Pa.	Mar. 9
Mar. 20	Camden, N. J.	Feb. 23
Mar. 20	Albany, N. Y.	Mar. 9
Mar. 20	St. Paul, Minn.	Mar. 9
Mar. 22	Phila., Pa.	Mar. 9

BUILDINGS

Mar. 13	High Point, N. C.	Mar. 9
Mar. 13	Olympia, Wash.	Feb. 16
Mar. 13	Toledo, O.	Feb. 23
Mar. 14	Lancaster, O.	Mar. 9
Mar. 14	Dallas, Tex.	Feb. 23
Mar. 14	Whitinsville, Mass.	Mar. 9
Mar. 14	Van Wert, O.	Mar. 9
Mar. 15	Warrensburg, Mo.	Mar. 9
Mar. 15	Mt. Carmel, Pa.	Mar. 9
Mar. 15	Grosse Ile, Mich.	Mar. 9
Mar. 15	Lyndon Centre, Vt.	Mar. 9
Mar. 15	Elmhurst (Flushing P. O.), N. Y.	Mar. 9
Mar. 15	Albion, Mich.	Mar. 2
Mar. 15	Sparta, Tex.	Feb. 23
Mar. 15	Ann Arbor, Mich.	Mar. 2
Mar. 16	South Bend, Ind.	Feb. 23
Mar. 16	Columbus, O.	Feb. 23
Mar. 16	Collinsville, Ill.	Mar. 2
Mar. 16	Burlingame, Cal.	Mar. 2

Bids Close		See Eng. News-Record
Mar. 17	Detroit, Mich.	Mar. 9
Mar. 18	Uniontown, Pa.	Mar. 9
Mar. 18	Canton, O.	Mar. 9
Mar. 18	Rock Island, Ill.	Mar. 2
Mar. 20	Richmond, Va.	Mar. 9
Mar. 20	Brownsville, Pa.	Mar. 9
Mar. 20	Winnipeg, Man.	Mar. 9
Mar. 20	Grass Valley, Cal.	Mar. 9
Mar. 20	Ann Arbor, Mich.	Mar. 9
Mar. 20	Memphis, Tenn.	Mar. 9
Mar. 21	Carthage, N. C.	Feb. 23
Mar. 22	Chippewa Falls, Wis.	Mar. 2
Mar. 22	Cumberland, Md.	Mar. 9
Mar. 24	Parsons, Kan.	Mar. 9
Mar. 28	Springfield, Mo.	Mar. 9
Mar. 31	Morgantown, W. Va.	Mar. 2
Apr. 1	St. Louis, Mo.	Mar. 9
Apr. 1	Wilmington, Del.	Mar. 9
Apr. 3	Crown Point, Ind.	Mar. 9
Apr. 5	Rockford, Ill.	Mar. 2

FEDERAL GOVERNMENT WORK

Mar. 14	Dredging — Jacksonville, Fla.	Feb. 23
	Adv. Feb. 23 to Mar. 9.	
Mar. 15	Steam Supply System — San Diego, Cal.	Feb. 16
Mar. 15	Addition — Mare Island, Cal.	Feb. 23
Mar. 15	Addition — Puget Sound, Wash.	Feb. 23
Mar. 15	Extension to Post Office — Hagerstown, Md.	Feb. 23
Mar. 20	Pumping Unit—Chesapeake City, Md.	Feb. 23
	Adv. Feb. 23 to Mar. 9.	
Mar. 20	Steel Hull — Montgomery, Ala.	Mar. 2
	Adv. Mar. 2 and 9.	
Mar. 21	Extension to Workroom, etc. —Laredo, Tex.	Mar. 2
Mar. 21	Steel Hull — Vicksburg, Miss.	Mar. 9
	Adv. Mar. 9.	
Mar. 22	Coal—Memphis, Tenn.	Mar. 9
	Adv. Mar. 9.	
Mar. 22	Operating and Power Building, etc.—Tatoosh, Wash.	Feb. 16
Mar. 23	Dredge Tender—Wilmington, N. C.	Feb. 23
	Adv. Feb. 23 to Mar. 9.	
Mar. 23	Boilers, etc. — Prescott, Ariz.	Mar. 9
Mar. 24	Buildings, etc. — Hoffman Island, N. Y.	Mar. 2
Mar. 28	Post Office—Salem, Va.	Mar. 9
	Adv. Mar. 9.	
Mar. 29	Equipment—Boston, Mass.	Mar. 9
Mar. 29	Equipment — San Diego, Cal.	Mar. 9
Mar. 29	Extension to Workroom, etc. —Salem, Ore.	Mar. 9
Mar. 30	Rope—Memphis, Tenn.	Mar. 9
	Adv. Mar. 9.	
Apr. 10	Hospital—Palo Alto, Cal.	Mar. 9
	Adv. Mar. 9.	
Apr. 10	Mechanical Equipment — Palo Alto, Cal.	Mar. 9
Apr. 12	Extension — Puget Sound, Wash.	Mar. 9
Apr. 12	Gun Shed, etc.—San Diego, Cal.	Mar. 9

MISCELLANEOUS

Mar. 13	Granite Paving Blocks—New York, N. Y.	Mar. 9
Mar. 13	Oil, Trap Rock, etc.—Woonsocket, R. I.	Mar. 9
Mar. 13	Paving Brick, etc.—Jamestown, N. Y.	Mar. 2
Mar. 13	Asphalt Heating Plant—Santa Rosa, Cal.	Mar. 2
Mar. 13	Foundation, etc.—Olympia, Wash.	Mar. 2
	Adv. Mar. 9.	
Mar. 14	Graders—Whitehall, Wis.	Mar. 9
Mar. 15	Ornamental Lighting System —Binghamton, N. Y.	Mar. 9
Mar. 15	Drill Tower—San Francisco, Cal.	Mar. 9
Mar. 15	Electric Wiring, etc.—Binghamton, N. Y.	Mar. 9
	Adv. Mar. 2 and 9.	
Mar. 16	Coal and Ash Handling System, Boilers, Pump and Chimney—Bay City, Mich.	Mar. 2
Mar. 17	Borings—Brooklyn, N. Y.	Mar. 9
Mar. 20	Portland Cement, etc.—St. Paul, Minn.	Mar. 9
Mar. 24	Pier—Phila., Pa.	Mar. 9
	Adv. Mar. 9.	
Mar. 29	Subway—Rochester, N. Y.	Mar. 9
	Adv. Mar. 9.	

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Glenfield—Plans 3 mi. conduit from Eatonfield. $35,000—$40,000. S. F. Neff, Lowville, engr.

Pa., Phila.—Soon takes bids laying 8,000 lin.ft. pipe, $50,000. C. E. Davis, City Hall, engr.

N. C., Morganton — Plans to replace 12 mi. pressure water sytem with gravity supply, 12 or 14 in. main, dam and reservoir. O. B. Lackey, city engr.

Ill., Plainfield—Making plans 4-6 in. c.i. main. $30,000. Wells Eng. Co., Geneva, engrs.

Ill., Batavia—Making plans 4 in. c.i. mains in various streets. $25,000. Wells Eng. Co., Court House, Geneva, engrs.

Ill., Marengo—Making plans 4-6 in. c.i. mains in Grant Highway, State, West and Prairie Sts. $25,000. A. L. Webster, Court House, Wheaton, engr.

Ill., Rockford—Plans 16-24 in. c.i. mains. $27,000. B. D. Hawey, City Hall, engr.

Ia., Eddyville—Defeated $25,000 bonds for waterworks. Noted Feb. 9.

Minn., Mankato—Making plans improving waterworks, enlarging mains, etc. $31,500. W. Dark, city engr.

Ia., Fairfield—Plans to improve waterworks. $22,000. G. C. Woods, clk.

Ia., Silver City—March 20 to vote on $20,000 bonds for waterworks. R. P. Galt, clk.

Minn., Sauk Center—Having plans prepared improving water system, incl. mains, well and 50,000 gal. concrete tank. $110,000 bonds voted. L. P. Wolff, 1000 Guardian Life Bldg., St. Paul, engr.

S. D., Aberdeen—Making plans sinking artesian well, 1,250 ft. deep, 8-10 in. casing, 4½ in. interior. $15,000. F. W. Raymond, city clk.

Mo., California—Plans laying 4-6 in. mains. $30,000. A. B. Cole, mayor. Engineer not selected.

Tex., Stephenville—Voted $50,000 bonds, waterworks improvements. Address Mayor.

Tex., El Paso—Soon takes bids 15,829 ft. 14-30 in. pipe, one 30 in., two 24 in., twenty 3 in., twelve 16 in. and nine 12 in. valves, cost to exceed $5,000; two 24 in. centrifugal pumps with capacity of 1,040 gal. per minute, 75 hp. motor needed with each, $12,000; two 24 in. centrifugal booster pumps with capacity of 1,040 gal. per minute against 205 ft. head, 125 hp. motor needed for each, above to be used in connection with two new wells being dug. P. E. French, City Water Wks., engr.

Okla., Wilburton — Having preliminary plans prepared 700,000 gal. filter plant, low head diversion dam, low lift pump station, distribution system, and remodeling pumping plant. $92,000. V. V. Long & Co., Colcord Bldg., Oklahoma City, engrs.

Wash., Monroe—Voted $84,000 bonds to purchase Lake Cochran site for filtration plant. F. G. Tegtmeier, Everett, city engr.

Ont., Petrolea—Canadian Oil Refinery Co., plans waterworks system. Prices wanted on equipment. J. Hale, mgr.

BIDS DESIRED

N. Y., New York—March 13, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., hauling and laying mains in East 22nd St., Gun Hill Rd. and Van Nest Ave. $15,000.

N. Y., S. I., St. George—March 13, by Dept. Water Supply, Gas & Electricity, Municipal Bldg., New York, furnishing, delivering and laying mains and appurtenances in Arthur Hill Rd., here. $50,000.

Pa., Reading—March 22, for w.i. and c.i. work, Contr. 20. E. L. Nuebling, ch. engr. Bureau Water.; adv. this issue.

D. C., Wash.—March 20, by Washington Suburban Sanitary Comn., Evans Bldg., New York Ave., laying 12-20 in. mains, Contrs. 25-W and 26-W; and 6-15 in. sewers, contr. 18-S. R. B. Morse, Hyattsville, Md., ch. dist. engr.; adv. this issue.

Wis., Milwaukee—March 14, by Central Bd. Purch., City Hall, Class C water pipe, 200 ton 6 in., 500 ton 8 in., 250 ton 12 in., 400 ton 16 in., also 80 ton special castings. G. Staal, city engr.

Wis., Milwaukee—March 18, at office of Central Bd. Purch. seventy-five 8 in. and twenty 12 in. gate valves and thirty-five 2 in. tapping valves; one hundred and seventy-five 6 in. gate valves, and 150 fire hydrants. G. Staal, city engr.

Minn., Houston—March 21, by village, improving waterworks, 6,960 lin.ft. from 4 8 in. mains, removing and relaying 320 ft. old 4 in. main, rein.-con. reservoir, etc. $35,000. A. S. Peterson, recdr. L. P. Wolff, 1001 Guardian Life Bldg., St. Paul, engr. Noted Jan. 5.

Neb., Bethany—March 16, by C. W. McIntyre, city clk., rein.-con. water reservoir, 2 pumps, 100 gal. capacity. $7,000. A. H. Edgren, 3540 J St., Lincoln, engr.

Neb., Thurston—March 24, laying 4-6 in. c.i. mains. $26,000. Henningson Eng. Co., Omaha Natl. Bldg., Omaha, engrs. Noted Feb. 9.

Wash., Walla Walla—March 28, for Div. 1 of proposed water system, incl. 2 reservoirs with 7,500,000 gal. capacity each, 430 lin.ft. 20 in. wood, 1,630 lin.ft. 18-30 in., c.i. and 62,360 lin.ft. 20-30 in. rein.-con. pipe, 56,000 lb. steel and 160,000 lb. triangular mesh reinforcing, etc. $250,000. Total, $500,000. Noted Feb. 23.

Cal., San Francisco—April 12, by Bd. Pub. Wks., furnishing and delivering waterwheels and valves. Contr. 79, and electric generators and accessory equipment, Contr. 180, for Moccasin Creek Power Plant, Hetch Hetchy Water Project. M. M. O'Shaughnessy, city engr.

BIDS RECEIVED

New York—Bd. Water Supply, Municipal Bldg., Park Row, Centre and Chamber Sts., New York opened bids March 2, furnishing and delivering gate-valves, steel castings and appurtenances for steel pipes of Catskill Aqueduct, f.o.b. at designated localities in Ulster, Orange, Putnam and Westchester Counties, from Caldwell Wilcox & Co., Newburgh, $36,170; Coffin Valve Co., 256 Bway., New York, $39,705; Chapman Valve Mfg. Co., 180 Lafayette St., New York, $51,627. Noted Feb. 16.

CONTRACTS AWARDED

N. Y., Brooklyn—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains and appurtenances in Shore Blvd., Ocean Ave., Manhattan Beach, Highland, Laurel, Poplar, Manhattan, Mermaid, Seagate and Surf Aves., Beach 38th and Beach 40th Sts., here to Knight & De Micco, Inc., 448 East Tremont Ave., New York, $41,004. Noted Feb. 23.

Wis., Milwaukee—Comm. Pub. Wks. mains in various streets, to J. B. Forrestal Co., 215 15th St., $46,622.

Ia., Manning—For pump house, 2 engines, 2 pumps, 1 well and 1 oil tank, to W. B. Carter, 606 United Bank Bldg., Sioux City, and Bessemer Gas Eng. Co., Omaha, Neb., $17,995. Noted Feb. 9.

Minn., St. Paul — H. W. Austin, city purch. agt., ten 3 in. and ninety 6 in. hub end, nut operating non rising stem gate valves, to Cochran Sargent Co., Park Sq., $1,366. Noted Jan. 26.

Sewers

PROPOSED WORK

Pa., Erie—Soon takes bids for 10 in. sewer in Marsh St. from Glenwood Park Ave. to Chapin St., also 8 in. from Chapin to Richley Sts. Cost exceeds $25,000. F. G. Lynch, city engr.

Va., Radford—See "Streets and Roads."

N. C., Durham—City sold $50,000 bonds for sewer improvements. R. W. Rigsby, city mgr.

O., Marion—Making plans sewerage system. $1,500,000. G. B. Gascoigne, 1449 East 116th St., Cleveland, consult. engr.

Ill., Jacksonville—Making plans sanitary and storm sewers. $30,000. Caldwell Eng. Co., Jacksonville, engrs.

Ill., Joliet—Making plans 3.5 mi. 6-20 in. vitr. sewers in 1st Ward. $29,000. A. S. Calkins, Joliet Natl. Bank Bldg., engr.

Ill., Morris—Making plans 10-14 in. vitr. tile sewers. $27,000. C. D. O'Callahan, Joliet Natl. Bank Bldg., Joliet, engr.

Kan., Hutchinson—Plans sanitary sewers, submains and laterals in various streets. $40,000. R. B. Lee, City Hall, engr.

Tex., Tyler—Attorney Generals Dept., Austin, approved $100,000 bonds extending sewerage system. H. J. Graeser, city mgr.

Okla., Wilburton — Having preliminary plans prepared sewerage system, incl. main and lateral sewers and 2 disposal plants. $101,000. V. V. Long & Co., Colcord Bldg., Oklahoma City, engrs.

Ont., Leamington—Plans sanitary sewer in Foundry St. $25,000. R. M. Selkirk, Leamington, engr.

BIDS DESIRED

Pa., Johnstown—March 27, at office M. L. Masterton, supt. Streets and Pub. Impvts., City Hall, Sects. 4 and 5 main sewer; adv. this issue.

D. C., Wash.—See "Waterworks."

Md., Towson—March 22 by Comrs. Baltimore Co., sewers and appurtenances. H. G. Shirley, engr; adv. this issue.

O., Glendale—March 29, for 12,546 ft. sanitary sewers and disposal plant. W. J. Sherman Co., Toledo, engrs.; adv. this issue.

Ind., Indianapolis—March 30, by Bd. Sanitary Comrs., power plant equipment and appurtenances for disposal plant. C. H. Hurd, 1405 Merchants Natl. Bank Bldg., consult. engr.; adv. this issue.

Mich., Kalamazoo—March 20, sewer pipe. H. A. Bland, city purch. agt.; adv. this issue.

Ill., Eldorado—March 15, complete sanitary sewerage system, incl. purification tank, etc. G. E. Dodd, city atty.; adv. this issue.

Wis., Delaven—March 17, by W. R. Topping, city clk., new disposal plant, incl. 500 ft. inverted syphon, preliminary treatment tank, dosing chambers, sprinkling filters, sludge drying beds and secondary tank. W. A. Pierce, city engr.

Ia., Clinton—March 14, 23,979 ft. 8-30 in. vitr. clay sewers in Dist. 7, between Main and Commercial St., 1,200 cu.yd. rock excav. $52,500. L. S. Abbott, city engr. Noted Feb. 23.

Col., Denver—See "Streets and Roads."

BIDS RECEIVED

Mich., Detroit—For (1) Grand River Ave. Arm W. of Wyoming Ave. Sewer, (2) Van Dyke Ave. Arm of Six Mile Rd. Sewer, (3) Theodore St. Arm of Jos. Campau Sewer, (4) Conant Ave. Arm of Six Mile Rd. Sewer, (5) Fenkell Ave. Arm of Wyoming Ave. Sewer, (6) Fenkell Ave. Arm of Livernois Ave. Sewer, from J. Connelly, 2269 Hamilton Ave., (1) $34,567, (5) $37,705; R. A. Mercier, Grand River Ave., (1) $34,611, (5) $38,333, (6) $24,292; G. R. Cooke, 1260 Penobscot Bldg., (1) $36,894, (3) $83,096, (6) $24,945; W. Blanck & Co., 827 Ford Bldg., (2) $24,575, (3) $79,714; J. Porath 34 McGraw Bldg., (2) $24,751; J. Wagner, 2735 West Grand Blvd., (2) $22,283, (4) $56,138; J. A. Mercier, 216 Hammond Bldg., (3) $83,336, C. R. Lennane Co., 2631 Woodward Ave., (4) $55,966; R. D. Baker, 1631 Elmhurst Ave., (4) $54,529, (5) $38,090, (6) $22,270. Noted Feb. 23.

Que., Montreal—For 2 x 3 ft. brick sewers in (1) Monkland Ave. from Beaconsfield to Kingstone Aves., (2) Oak Ave. from Patricia Ave. to West Bway., (3) West Bway. from Mills to Sherbrooke Sts., from A. Filion, 2419 St. Denis St., (1) $1,444, (2) $2,916, (3) $19,870; G. Perluzzi and A. Dicesaire, 26 Savignac St., (1) $1,527; Laforest & Belanger, 307 Lasalle Ave., (1) $1,602; C. Frascarelli & Co., 1237 St. Denis St., (2) $2,803, (3) $17,006; A. Thezaud, 885 St. Catherine St., (2) $2,833, (3) $19,430.

CONTRACTS AWARDED

O., Canton—Sanitary sewer in 12 blocks Wertz Ave. from Tuscarawas St. W. to 12th St. N. W., etc., to Garaux Bros., 735 Market Ave., S., $30,000.

Ia., Clarksville—For 28,285 ft. 8-12 in. pipe, 80 manholes, 12 flushtanks, 12 lamp holes, etc., to Kruse Constr. Co., Spencer, $33,518; disposal plant to H. E. Wilcox, Clarksville, $5,137.

Minn., New Ulm — Sanitary and storm sewers to Rahr & Pratt, Pipestone, $28,569; water improvements to Feyen Constr. Co., 277 Burgess St., St. Paul, $5,818. Noted Feb. 16.

Mo., Springfield—Storm sewers, to R. McSweeney, Springfield. $300,000. Noted July 21.

Utah, Provo—For 6 and 8 in. vitr. sewers in Dist. 17, to Western Eng. & Contg. Co., Templeton Bldg., Salt Lake City, $26,351.

Cal., Banning—Storm sewers in Gilman and Indian Canyons, to R. E. Garretson & Co., 1346 Fairfax Ave., Los Angeles, $31,856. Noted Feb. 2 under Streets and Roads.

Bridges

PROPOSED WORK

W. Va., Clarksburg—Plan to vote in March or April on $40,000 bonds for bridge over Elk River. H. G. Otis, city mgr.

N. C., Monroe—See "Streets and Roads."

O., Kenmore—Summit Co. (Akron) opens bids in spring 500 ft. concrete girder highway bridge, here. $250,000. J. Weaver, Court House, Akron, engr.

Tex., Linden—Cass Co. plans 1.59 mi. timber pile trestle bridge, 16 ft. roadways, over Sulphur River on Highway 8, earth approaches surfaced with gravel and concrete. $100,000. Hess & Skinner, Southwestern Life Bldg., Dallas, engrs.

Colorado—State Hy. Comn., Denver, and Governor, approved budget for Federal Aid.

Bridges (Continued)

bridges during 1922. Bridge north of Dillon, Dist. 2, $15,000; bridge Pagosa Springs, Dist. 3, $30,000; Bridges Pueblo Co., Dist. 4, $168,000; Beaver Creek Bridge and road improvement, Dist. 4, $43,000; bridge at Buttes and road improvements, Dist. 5, $95,000. L. D. Blauvelt, State Museum Bldg., Denver, engr.

BIDS DESIRED

Pa., Johnstown—March 27, at office M. L. Masterton, supt. Streets and Pub. Impvts., City Hall, rein.-con. arch bridge over Stonycreek River, Haynes St.; adv. this issue.

Pa., Lancaster—March 27, by Comrs. Lancaster Co., building concrete girder bridges. F. H. Shaw, 314 Breneman Bldg., co. engr.; adv. this issue.

West Virginia—April 4, by State Rd. Comm., Charleston, Bridge 694, 500 ft., over Maulsby River, Harrison Co., steel superstructure, concrete substructure and approaches and .25 mi. concrete and bituminous penetration macadam paving; 82 ft. span steel pony truss across Mill Creek at Bunker Hill, Berkeley Co., superstructure only; Bridge 716, on line of Tyler and Pleasants Counties, 40 ft. span, concrete deck girder and 0.5 mi. paving, $25,000; concrete arch across North Fork of Hughes River near Harrisville, Ritchie Co., two 65 ft. spans; Bridge 796 across Sixteen Mile Creek and Bridge 795 across Eighteen Mile Creek, Mason Co., concrete substructure only. L. L. Jemison, Charleston, engr.

Alabama—March 31, by State Hy Dept., Montgomery, building 255 ft. rein.-con. bridge over Big Wills Creek, Etowah Co. W. S. Keller, state highway engr.

O., Berea—March 11, Cuyahoga Co., Court House, Cleveland, concrete arch bridge on Bridge Rd., here, 670 cu.yd. concrete, 54,500 lb. reinforcing steel, etc. $25,-626. F. J. Lander, Court House. Cleveland, engr.

Minn., Wheaton—See "Excavation and Dredging."

Missouri—March 17, by State Hy. Dept. at div. office Galena, two 180 ft. steel truss spans with two 60 ft. pony truss approach spans, 18 ft. roadway, on Sta. 1974, state road from Reed Springs to Blue Eye, over White River, Federal Aid Project 161, Sect. D, Stone Co. $43,398. A. Graham, Jefferson City, state highway engr.

Colorado—March 27, by State Hy. Dept., Denver, 851 ft. timber pile trestle bridge and approaches, 20 ft., over South Platte River on State Highway 24, near Orchard. Morgan Co., $20,000; 70 ft. steel truss bridge, 20 ft. roadway, over Big Thompson River on State Highway 2, near Loveland, Larimer Co., $12,000. L. D. Blauvelt, State Museum Bldg., Denver, engr.

BIDS RECEIVED

North Carolina—State Hy. Dept., Raleigh, rein.-con. bridges and culverts on (1) State Project 196, Washington Co., (2) State Project 272, Sampson Co., (3) over Haw River, Project 400, Chatham Co., (4) State Project 566, Moore Co., from N. L. Teer, Durham, (1) $29,427, (2) $56,110, (4) $32,755; J. L. McGeehee Constr. Co., Tarboro, (1) $30,267; W. H. Thompson, Burlington, (1) $35,202, (2) $54,492; Striplin, Stroddy & Newell, Corinth, Miss., (2) $46,132; R. M. Walker & Co., Grant Bldg., Atlanta, Ga., (3) $52,512; Haynes Bros., Chatham, Va., (3) $52,774; Hardaway Contg. Co., Charlotte, (3) $57,195; O. A. Mann & Co., La Grange, Ga., (4) $32,493; Booz, Loyd & Co., Marion, (4) $33,816. Noted Feb. 2 and 9.

Fla., Bradentown—Comrs. Manatee Co., 56 bridges and 147 culverts, involving 3,000 cu.yd. rein.-con. and 199,000 lb. reinforcing, from Finley Method Co., Graham Bldg., Jacksonville, $66,831; H. R. Curry, Bradentown, $72,000; Fish Bros., Tampa, $101,000. Noted Feb. 23.

Mich., Ironwood—Minneapolis, St. Paul & Saulte Ste. Marie Ry., 5th St. and Marquette Ave., Minneapolis, Minn., Chicago, Milwaukee & St. Paul, 80 East Jackson Blvd., Chicago, and city, opened bid March 1, 150 ft., steel and concrete bridge, from Albinson Constr. Co., 300 5th Ave. S., Minneapolis, Minn., $100,000.

Missouri—State Hy. Dept. at div. office Houston, opened bids Feb. 20, 5 rein.-con. bridges, on Federal Aid Project 90, Sect. B, Texas Co., from M. E. Gillioz, Monett, $21,204; Summerfield-Jones Constr. Co., Springfield, $21,214; Maxwell Constr. Co., Columbus, Kan., $21,237. Noted Feb. 16.

CONTRACTS AWARDED

Pa., Phila.—For concrete and steel deck bridge over Tacony Creek, Wyoming Ave., to Jackson & Co., 119 South 4th St., $36,910.

Ia., Orange City—See "Streets and Roads."

Missouri—See "Streets and Roads."

Missouri—State Hy. Dept. at div. office Centerville, five 80 ft. span pony truss bridge, over Logan Creek, on road from Ellington northward, State Aid Project 18.47 Sect. C, Reynold Co., to Reiley & Bailey Constr. Co., St. Louis, $18,457. Noted Feb. 23.

Cal., Altamont—Alameda Co., (Oakland), Carroll Overhead crossing over tracks Central Pacific Ry., here, rein.-con., to Standard Industrial Eng. Corp., 550 Montgomery St., San Francisco. $58,900. Noted Jan. 26.

Dams

PROPOSED WORK

N. C., Morgantown—See "Waterworks."

Okla., Wilburton—See "Waterworks."

Ont., London — Utilities Comn. having plans prepared for concrete dam. $150,000. E. V. Buchanan, Hydro Bldg., engr.

BIDS DESIRED

Wyo., Basin—April 3, by Comrs. Greybull Valley Impvt. Dist., for Upper Sunshine Dam, Dike and Outlet Works. J. B. True, Cheyenne, consult. engr.; adv. this issue.

Railways

CONTRACTS AWARDED

Ontario—Grand Trunk Ry., McGill St., Montreal, Que., will replace present rails between Hyde Park and Sarnia with new 100 lb. steel rails, by day labor. $250,000. C. Forrester, London, div. engr.

Excavation and Dredging

PROPOSED WORK

O., Dayton—Dayton Hydraulic Co., Winters Bank Bldg., plans hydraulic power canal through city to point about 5½ mi. north. $300,000.

Wis., Sun Prairie—Dane Co. Drainage Bd., (Madison), having plans prepared system to drain 3,000 acres, incl. 5 mi. main ditch, tile laterals and tile drains. $25,000. P. H. Hintze, Main St., Madison, engr.

BIDS DESIRED

N. Y., Brooklyn—March 13, by M. Hulbert, comr. Docks & Ferries, Pier "A" North River, New York, dredging north side of Pier 1 Wallabout Basin, Contr. 1774.

O., Cleveland—March 23, removing 150,-000 cu.yd. earth from Cuyahoga River. $60,000. R. Hoffman, City Hall, engr. Noted June 23.

Wis., Sheboygan—March 25, by Sheboygan D. D., Plymouth, and J. Donohue Co., engrs., 628 North 8th St., Sheboygan, open ditch and tile ditch draining, also removal 3,000 cu.yd. lime rock from main ditch now open. $25,000. H. Sherwood, Plymouth, secy.

Ia., Primghar—March 15, by O'Brien Co., for D. D. 11, 4,020 ft. open ditch, 41,-500 ft. 7-36 in. tile, 6,600 cu.yd. excav. $25,000. H. E. Locke, aud.

Minn., Redwood Falls—March 24, by Redwood Co., Ditch 54, 256,820 ft. 6-30 in. tile. $183,957 (revised estimate of cost). B. J. Reynolds, Redwood Falls, engr. Noted Mar. 2.

Minn., Wheaton—March 21 by Traverse Co., Ditch 51, 88,877 cu.yd. excav., 12 bridges, 12 culverts. $26,000. J. E. Dodds, Wheaton, engr.

Wyo., Basin—See "Dams."

Ontario—April 10, by Hydro Electric Power Comn. of Ontario, 190 University Ave., Toronto, widening and deepening channel Welland River and portion Queenston-Chippawa power canal; also concrete intake structure and ship channel in Niagara River near Chippawa. W. W. Pope, secy.; adv. this issue.

BIDS RECEIVED

Va., Norfolk — Dir. Pub. Wks. opened bids March 3, dredging and filling 750,000 cu.yd. at Seawalls Point, in connection with proposed $5,000,000 terminal wharfs, etc., from Atlantic Gulf & Pacific Co., Chesterfield Blvd., $0.1789 per cu.yd.; J. Stewart & Co., Inc., 30 Church St., New York, $0.205; P. S. Ross Inc., 277 Washington St., Jersey City, N. J., $0.307.

CONTRACTS AWARDED

S. D., Oacoma—Lyman Co., 14-36 in. vitr. tile drains, to O. C. Clelland, Oacoma. $30,-000. Noted Feb. 2.

Mo., Winfield—Bd. Supervs. Winfield Leve & D. D., drainage work, 500,850 cu.yd. excav., to Yale & Reagan Co., Conway Bldg., Chicago, $0.1363 per cu.yd. Noted Feb. 2.

Streets and Roads

PROPOSED WORK

N. Y., Jamestown—Chautauqua Co. plans improving 2.87 mi. Sinclairville-Charlotte Center Rd., $84,617; 5.46 mi. Sherman-Findlay Lake Rd., Part 2, $201,005, both 10 ft. concrete and 6 ft. gravel; 5.35 mi. Panama-New York State line Rd., $158,690, 10 ft. rein.-con. and 7 ft. gravel. W. J. Knauer, 255 Roberts Bldg., c/o engr.

Va., Radford—Soon takes bids road and sewer improvements. $150,000. H. P. Anderson, clk.

W. Va., Hamlin—Laurel Hill, Sheridan and Harts Creek Dists., Lincoln Co., will each vote on $50,000 bonds April 4, constructing Logan-Huntington Highway. Money raised will be matched by State making total of $300,000 for project. T. J. Bartrug, co. engr.

W. Va., Pineville—Ocean Dist., Wyoming Co., to vote March 21 on $100,000 bonds improving Laurel and Huffs Creek Mountain Rds. O. L. Collier, Pineville, engr.

North Carolina—State Hy. Comn., Raleigh, plans clearing, grading, surfacing and bridging 13 mi. road from Hamilton to Halifax Co. line, State Project 157, Martin Co., $60,000; grading, topsoiling and bridging 12 mi. road from Williamston to Hamilton, State Project 157 A, Martin Co., $50,000. C. M. Upham, state highway engr.

N. C., Bessemer City—R. C. Kennedy, mayor, opens bids about March 25, paving 28,000 sq.yd. various streets, some type of asphalt on concrete. $70,000. Mees & Mees, Charlotte, engrs. Noted Jan. 26.

N. C., Durham—City sold $550,000 bonds for street improvements. R. W. Rigsby, city mgr.

N. C., Hamlet—Plans paving various streets. $100,000 bonds to be sold. Toplin & Perkins, High Point, engrs.

N. C., Monroe—Union Co. plans to construct roads and bridges. $250,000. M. C. Long, clk.

Fla., Orlando—Orange Co. had plans prepared paving with grouted brick, concrete, asphalt or bituminous macadam, 5 mi. Windermere Rd. from Orlando to Winter Garden Rd., $139,000; 3 mi. road from Winter Park to Seminole Co., $40,000; 3.4 mi. from Winter Park to Golden Rod, $86,000; 4.8 mi. from Conway to Pinecastle, $125,000; 13,091 sq.yd. from Winter Park to Apopka, $50,000; 41,180 sq.yd. from Bithlo to Seminole Co., $108,000; 7½ mi. from Ococee to Apopka, $100,000; 2 mi. from Tildenville south, $50,000; 2 mi. from H. G. Crossing at Winter Garden south, $50,000; clay paving 88,000 sq.yd. Plymouth-Sacramento, Lake Gem-Tangerine and other roads, $50,000. C. A. Browne, c/o engr.

Ohio—Dept. Highways and Pub. Wks., Columbus, cancelled bids which were to be opened March 8, grading, bridging and paving 7.38 mi. Sect. "B" Painesville-Warren Rd., Trumbull Co., brick, state to furnish brick or rein.-con. L. C. Herrick, dir. highways. Noted March 2.

O., Akron—Plans paving 2,500 ft. 5th Ave., 9,000 sq.yd. vitr. brick, 4,500 lin.ft. sandstone curbing, 20,000 sq.ft. sidewalks, 9,000 cu.yd. excav. $55,000. E. A. Kemmler, 300 Delaware Bldg., engr.

O., Akron—Summit Co. opens bids in spring grading and paving 1 mi. Wilbeth Rd., 16 ft., $51,000; 2¼ mi. Portage Lakes Dr., 16 ft., bituminous macadam, $74,000. J. Weaver, Court House, engr.

O., Cleveland Heights (Warrensville P. O.)—Plans grading, curbing and paving Coventry Rd. from Mayfield to Clarkson Rds., Euclid Heights Blvd. from Coventry to Superior Rds., Noble Rd. to Warrensville Center Rd., Superior and Cumberland Rds., brick or asphalt. $500,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

O., Columbus—Franklin Co. takes bids about April 20, grading, building bridges and paving 5.36 mi. Norton Rd., 16 ft., waterbound macadam. $109,822. C. C. Lattimer, Court House, engr.

O., Dayton — Plans paving Wilmington Ave. from Wayne to Irving Sts., 8,000 sq.yd. brick, asphalt filler, cement curb and gutter, $45,481; alley west of Wroe Ave., 1,000 sq.yd. rein.-con., $3,559. I. E. Houk, city engr.

O., Lakewood (Cleveland P. O.)—Had plans prepared grading and paving Bunts Rd., Elbur, Wescena and North Aves., 21,-763 sq.yd. vitr. brick or asphalt on 6 in. concrete. $100,000. E. A. Fisher, City Hall, engr.

Ill., Joliet—Making plans asphalt sidewalks on Centre St. $52,000. A. S. Calkins, Joliet Natl. Bank Bldg., engr.

Ill., Joliet—Will Co. making plans surfacing Peotone-Beecher Rd., macadam and gravel, $30,000; 5 mi. Nonee-Manhattan

Streets and Roads (Continued)

Rd., macadam, 10 ft., $45,000; various roads, asphalt on concrete, $40,000. A. S. Calkins, Joliet Natl. Bank Bldg., engr. Noted Jan. 19.

Ill., Mt. Carmel — Wabash Co. making plans paving roads, concrete monolithic, 16 ft. $50,000. E. M. Hathaway, Effingham, engr.

Ill., Ottawa—Bd. Local Impvts. making plans paving various streets, vitr. brick on concrete. $273,253. G. L. Farnsworth, Court House, engr.

Ill., Waukegan—Lake Co. soon takes bids paving 5 mi. Lake Villa-Fox Lake Rd., concrete, 18 ft., $150,000; 2.5 mi. Highland Park-Deerfield Rd., 24 ft., $75,000; 2 mi. Highwood-Waukegan Rd., 18 ft., $75,000; 5 mi. Lake Zurich-Wauconda Rd., concrete, 18 ft., $150,000. C. E. Russell, Waukegan, engr.

Wis., Milwaukee—Milwaukee Electric Ry. & Light Co., Pub. Serv. Bldg., making plans paving track zone. Work will probably be done by day labor. S. B. Way, c/o owner, engr.

Wis., North Fond du Lac (Fond du Lac P. O.)—Soon takes bids 18,000 sq.yd. pavement, probably tarvia macadam. G. Marshall, Courthouse, Fond du Lac, engr. Noted Jan. 19.

Wis., Watertown—F. S. Weber, city clk., soon takes bids concrete paving 9,755 sq.yd. River Drive, 3rd and Nashotah Sts., incl. 4,600 lin.ft. concrete curb and gutter. A. Kraeft, City Hall, engr.

Ia., New Hampton—Plans concrete paving 40 blocks. W. R. Garland, New Hampton, engr.

Ia., Shenandoah — Making plans and takes bids later part of spring 3,400 sq.yd. brick pavement, concrete curbs and gutters. R. L. Kettner, Shenandoah, engr.

Ia., Sigourney—Keokuk Co. making plans grading 17 mi. Primary Rd. 13 from here north to county line, 143,000 cu.yd. excav., etc. $30,000. I. C. Buckman, Sigourney, engr.

Minn., Fairmont—Martin Co. making plans and soon receives bids 23 mi. gravel surfacing and bridge and culvert work, 515 cu.yd. rein.-con. $45,000. C. N. Krosch, Fairmont, engr.

Montana—State Hy. Com., Helena, plans following road work, 25 mi. Dist. 1, southwestern Montana, $275,000; 96 mi. Dist. 2, Great Falls Dist., $736,000; 27 mi. Dist. 3, northern Montana, $206,000; 65 mi. Dist. 4, southeastern Montana, $473,000; 21 mi. Dist. 5, south central Montana, $22,000, total $1,912,000. J. N. Edy, ch. engr. state highway comn.

Missouri—State Hy. Dept., Jefferson City, plans 1.549 mi. road from Moberly to Huntsville, Federal Aid Project 186, Randolph Co., 4,884 cu.yd. earth excav., 800 cu.yd. borrow, 16,356 sq.yd. combination concrete header curbing and base course, 15,448 sq.yd. vitr. brick surface course bituminous filled and 41.9 cu.yd. concrete masonry, etc. $64,730. A. Graham, state highway engr.

Missouri—State Hy. Dept., Jefferson City, plans 7.035 mi. road from Preston to Collins, Federal Aid Project 98, Hickory Co., 27,160 cu.yd. earth and 1,434 cu.yd. rock excav., 4,560 cu.yd. borrow and 179.3 cy.yd. concrete masonry, etc. $37,494. A. Graham, state highway engr.

Missouri—State Hy. Dept., Jefferson City, plans 9.943 mi. road from Cairo to Poplar Bluff, Federal Aid Project 118, Sect. B, Stoddard Co., 24,783 cu.yd. earth excav., 3,476 cu.yd. borrow and 164.3 cu.yd. concrete masonry, etc. $28,387. A. Graham, state highway engr.

Missouri—State Hy. Dept., Jefferson City, plans 21.214 mi. road from Gainsville eastward, Federal Aid Project 111, Sect. B, Ozark Co., 72,565 cu.yd. earth and 2,394 cu.yd. rock excav., 5,649 cu.yd. borrow and 314.4 cu.yd. concrete masonry, etc. $72,146. A. Graham, state highway engr.

Tex., Georgetown—March 25 to vote on $85,000 bonds for paving. Address Mayor.

Colorado—State Hy. Comn., Denver, and Governor, approved $4,000,000 budget for Federal aid projects during 1922. Projects in Dist. 2 comprising Mesa, Delta, Montrose, Gunnison, Pitkin and San Miguel Counties, include grading Sapinero to Cimmaron, $90,000, end of Project 66 east, $70,000, Delta north, $170,000, end of Project 28 north, $34,000; concrete paving Junction-Palisade Rd., $46,200; grading and graveling Grand Junction-Palisade Rd., $50,00, Grand Junction-Fruita, $50,000, De Beque-Grand Valley, $70,000; grading and surfacing Meeker north to Rio Blanco Co. line, $35,000. Projects in Dist. 3, southwestern part of state, include grading Durango to Mancos, $60,000, Durango to Mancos, $77,000, Durango east, $60,000, Cochetopa-Saguache Rd., $54,000. Projects in Dist. 4, southeastern part of state, include grading Buena Vista north, $73,000, Canon City east, $86,800, end of Project 58 east to Kansas Line, $65,000, east of Federal Aid 59, $65,000; concrete paving 2 mi. La Junta west, $75,000, Pueblo east, $75,000; grading and surfacing Lamar east and west, $110,000. Projects in Dist. 5, central counties of state, concrete paving 2 mi. Wolhurst south towards Sedalia, $25,000, 3½ mi. Wolhurst south towards Sedalia, $140,000, extension from Federal Aid 117 to Manitou, $60,000, 7 mi. Colorado Springs north towards Denver, $273,000; grading end of Project 112, Lake George west, $90,000, Rahmah-Mattison Rd., $50,000. Projects in Dist. 6, concrete paving 1¾ mi. Denver-Morrison Rd., No. 30, $70,000, 2½ mi. Denver-Morrison Rd., No. 135, $110,000, 2½ mi. Denver-Morrison Rd., No. 220, $95,000, 4 mi. Fort Collins south, No. 139, $160,000, 3¾ mi. Fort Collins south, No. 221, $135,000, 5 mi. Denver-Fort Collins north and south $200,000; grading Vernon Canon Rd., No. 81B, $35,000, Vernon Canon Rd., No. 81A, $25,000, Rabbit Ear Pass Rd. Grand Co., $40,000, Turkey Creek Rd., $70,000, Steamboat to Hayden, Routt Co., $65,000; concrete paving and building bridge Arvada Rd., $60,000. Projects in Dist. 7, concrete paving Wolhurst Rd., $38,000, Aurora Rd., $35,000, road to U. S. Hospital near Denver, $37,000, 6¾ mi. Brighton-Greeley Rd., $275,000, 4½ mi. Sterling south, $175,000; grading Platteville-La Salle Rd., $80,000. L. D. Blauvelt, State Museum Bldg., Denver, engr.

Wash., Seattle—Opens bids about March 15, grading, filling and paving 9th Ave. S. and sanitary fill on Walker St., 1,890,000 cu.yd. earth excav., 23,000 sq.yd. 8 in. concrete, 1,795,000 cu.yd. earthwork and subgrading, and private property embankment and 55,000 cu.yd. filling, etc. $955,888. A. H. Dimock, city engr.

Cal., Palo Alto—Had plans prepared improving Alma, Webster, Gilman, Scott, Forester, Addison, Lincoln, Emerson and Cowper Sts., 668,193 sq.ft. grading and 668,193 sq.ft. 4½ in. hydraulic cement pavement. $128,875. J. F. Bxybee, Jr., Palo Alto, engr.

BIDS DESIRED

Massachusetts—March 21, by State Hy. Dept., Boston, 56,000 ft. Newburyport Turnpike, Danvers and Topsfield, 18 ft., $400,000; 3,500 ft. state highway, Hingham, 21 ft., $25,000, both concrete and bituminous macadam. A. W. Dean, 413 State House, Boston, engr.

Massachusetts—March 28, by State Hy. Dept., Boston, paving 14,000 ft. state highway, Palmer and Monson, 21 ft. $125,000. A. W. Dean, 413 State House, Boston, engr.

N. Y., Brooklyn—March 15, by E. Riegelmann, boro. pres., Boro. Hall, curbing and paving East 10th St. from Ave. K to Ave. L, 64th St. from New Utrecht to 15th Aves.; paving East 18th St. from point about 280 ft. south of Ave. M to Ave. N, East 19th St. from Ave. M to Ave. N, Hegeman Ave. from Powell St. to Christopher Ave., Ave. J from East 25th to East 27th Sts., excluding mall spaces in center of street, Ave. P from Coney Island Ave. to East 12th St., West 29th St. from Neptune to Mermaid Aves., Williams Ave. from Newport St. to New Lots Ave., 20th Ave. from 75th to 76th Sts., 58th St. from 13th to New Utrecht Aves., 58th St. from 17th to 18th Aves., 64th St. from New Utrecht to 15th Aves., 77th St. from 20th to 21st Aves., 80th St. from 4th to 5th Aves., 82nd St. from Narrows Ave. to Shore Rd., 68th St. from 2nd to 3rd Aves., all foregoing asphalt on 6 in. concrete, except centrally located strip 10 ft. in width extending on 68th St. from 3rd Ave. to point about 350 ft. westerly, new grade 1 granite blocks; 19th St. from Seeley to Vanderbilt Sts., new grade 1 granite blocks.

N. Y., Jamestown—March 17, by W. J. Knauer, Chautauqua Co. engr., 255 Roberts Bldg., improving 3.94 mi. Part 3 Van Buren Point-Brocton Highway, concrete and gravel. $116,000.

N. Y., New Berlin—March 21, by Bd. Trustees, Village Hall, paving, curbing and guttering Greene, Academy and Jaquith Sts. C. B. Dakin, clk.; adv. this issue.

N. Y., New York—March 13, by J. Miller, pres. Manhattan Boro., Municipal Bldg., repaving Vesey St. from Church to Washington Sts., 4 in. granite block; 112th St. from 1st to 3rd Aves., sheet asphalt.

N. J., Jersey City—March 27, by Hudson Co. Blvd. Comn., repaving, building "islands," installing electric lights and iron lamp posts on 1½ mi. Hudson Co. Blvd. from Terhune Ave., here, to 56th St., Bayonne. $185,000. F. J. Radigan, Court House, engr.

N. J., Manasquan—March 21, by Boro Council, paving North Broad and Broad Sts. and portions Main and South Sts., rein.-con. G. D. Cooper, 60 Broad St., Red Bank, engr.; adv. this issue.

N. J., Somerville—March 15, by Bd. Freeholders Somerset Co., macadamizing 1¾ mi. Bolmer Corner-Blawenburg Rd., 7,087 sq.yd. macadam foundation, 9,152 sq. yd. waterbound macadam surface, 9,152 sq.yd. surface treatment of bituminous material, 17,000 lin.ft. ditching, etc. H. C. Van Emburgh, Somerville, engr.

N. J., Somerville—April 4, by Somerset Co., paving Route 9, Sect. 6 from here to Bound Brook, reinforced cement concrete. H. C. Van Emburgh, c/o engr.; adv. this issue.

Md., Baltimore—March 22, by Bd. Awards, c/o City Register, paving Dulaney Valley Rd., Contr. 52. H. G. Perring, ch. engr.; adv. this issue.

West Virginia—April 4, by State Rd. Comn., Charleston, paving with concrete or brick, 5.3 mi. Morgantown-Pt. Marion Rd. Project 113, Monongalia Co., $125,000, 1.6 mi. Fairmont-Morgantown Pike, Project 4, Marion Co., $25,000, 3.8 mi. Morgantown-Fairmont Rd., Project 114, Monongalia Co. $75,000. W. S. Downs, Morgantown, engr. for foregoing projects; concrete paving 3.75 mi. Spencer-Walton Rd., Project 32, Roane Co., $75,000, H. E. Snyder, Parkersburg, engr., 0.8 mi. Logan-Stollings Rd., Project 1113, Logan Co., $25,000, H. J. Spelman, R & P Bldg., Huntington, engr., 0.4 mi. Fairmont-Clarksburg Rd., Project 3112, Marion Co., $25,000, W. S. Downs, Morgantown, engr.; grading 3 mi. Spencer-Arnoldsburg Rd., Project 3070, Roane Co., $50,000, H. E. Snyder, Parkersburg, engr., 0.2 mi. Marrowbone Bridge Rd., Project 3118, Wayne Co. and 0.1 mi. Marrowbone Bridge Rd., Project 3117, Mingo Co., H. J. Spelman, R & P Bldg., Huntington, engr., 1.5 mi. James River and Kanawha Turnpike, Project 3135, Kanawha Co., $25,000, J. K. McGrath, Fayetteville, engr., 8.8 mi. Camden-on-Gauley to Upper Glade Run Rd., Project 3021, Webster Co., $100,000, J. W. Hancock, Webster Springs, engr., 5 mi. Northwestern Turnpike, Project 3011, Hampshire Co., $75,000, R. R. Monroe, Romney, engr.; grading and paving with bituminous penetration macadam, 5.5 mi. Maybeury-Simmons Rd., Project 3008, Mercer Co., $130,000, H. J. Spelman, R & P Bldg., Huntington, engr., 2 mi. Maybeury-Simmons Rd., Project 3007, McDowell Co., $50,000, H. J. Spelman, R & P Bldg., Huntington, engr.; paving with bituminous macadam, 1 mi. Bluefield-Simmons Rd., Project 3060, Mercer Co., $25,000, H. J. Spelman, R & P Bldg., Huntington, engr.; grading and concrete paving 1.8 mi. Harpers Ferry-Bolivar Rd., Project 3034, Jefferson Co., $30,000, B. E. Gray, Martinsburg, engr.; grading and paving with bituminous macadam or Warrenite bitulithic 4.9 mi. Winchester Pike, Project 115, Berkeley Co., $90,000, C. N. Stuckey, Martinsburg, engr.; grading and paving with waterbound macadam, surface treated, 5.85 mi. Oldfields to Hampshire Co. line, Project 3013, Hardy Co., $100,000, J. P. Stover, Moorefield, engr.; grading and graveling, 5.5 mi. Glenwood-Mercers Bottom Rd., Project 3058, Mason Co., $80,000, H. E. Snyder, Parkersburg, engr.; paving with concrete or Warrenite bitulithic 5 mi. Northwestern Turnpike, Project 3116, Wood Co., $100,000, H. E. Snyder, Parkersburg, engr.; grading and paving with concrete or Warrenite bitulithic 5 mi. Ellenboro-Harrisville Rd., Project 119, Ritchie Co., $100,000, H. E. Snyder, Parkersburg, engr.; paving with concrete, brick or Warrenite bitulithic 2 mi. National Pike, Project 120, Ohio Co., $50,000, H. E. Snyder, Parkersburg, engr.; grading and paving with concrete and penetration macadam 4.24 mi. Fairmont-Clarksburg Rd., Project 3023, Harrison Co., $90,000, W. S. Downs, Morgantown, engr.

W. Va., Elkins—March 24, by Randolph Co., paving 3.5 mi. Norton-Mabie Rd., Federal Aid Project 98, bituminous macadam, penetration type. $75,000. E. G. Elliott, Elkins, engr.

Fla., Orlando—March 15, by Comrs. Orange Co., widening from 9 to 16 ft., and paving 2½ mi. road from Winter Park to Seminole Co., 20,000 sq.yd. vitr. brick, 25,000 lin.ft. concrete or granite curbing, 4,000 cu.yd. excav., $65,000; 3½ mi. road from Orlando to Winter Park, 30,000 sq.yd. vitr. brick, 35,000 lin.ft. concrete or granite curbing, 8,000 cu.yd. excav., $95,000. C. A. Browne, co. engr.

Fla., Pensacola — April 6, by Comrs. Escambia Co., constructing 12¾ mi. Gulf Beach Highway between Harris Store and Gulf of Mexico. L. S. Gilmore, chn.; adv. this issue.

La., New Orleans — March 14, paving streets (32 contracts) with following materials, bituminous concrete, bitulithic refined Trinidad Lake asphalt, creosoted wood block, Kentucky rock asphalt, Silican rock

Streets and Roads (Continued)

asphalt, sheet asphalt, Uvalde rock asphalt, and asphalt blocks, also installing subsurface drains. A. Klorer, city engr. Noted March 2.

Ohio—March 20, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following counties:

Allen Co., Sect. "G" Lima-Delphos Rd., 4.41 mi., bituminous macadam, $127,123; asphaltic concrete, $152,041; Kentucky rock asphalt, $153,491.

Allen Co., Sect. "A-1" West Minster-New Hampshire Rd., 1.051 mi., Kentucky rock asphalt, $34,106; bituminous macadam, $28,304; rein.-con., $39,065.

Scioto Co., Sect. "T" Ohio River Rd., 0.829 mi., bituminous macadam, $20,923; brick, $25,315; state to furnish brick, $17,315; rein.-con., $28,372.

Scioto Co., Sect. "C-1" Portsmouth-Oak Hill Rd., 0.781 mi., bituminous macadam, $27,184; brick, $30,796; state to furnish brick, $22,941; rein.-con., $30,031.

Scioto Co., Sect. "B-2a" Portsmouth-Lucasville Western Rd., 1.007 mi., bituminous macadam, $25,115; brick, $34,906; state to furnish brick, $24,672; rein.-con., $33,938. L. C. Herrick, dir. highways.

O., Akron—March 17, by Summit Co., grading and paving 2½ mi. Greensburg-Aultman Rd., 12,000 sq.yd. asphalt on concrete, $80,000; 4 mi. Kent-Darrowville Rd., bituminous macadam, $103,000. J. Weaver, Court House, engr. Noted Feb. 2 and March 2.

O., Bucyrus—March 14, by L. H. Bowen, dir. Pub. Serv. paving 1,200 yd. South Walnut and 5,600 sq.yd. East Sts. F. L. Niederheiser, city civil engr.

O., Cincinnati—March 13, by Director Pub. Serv. paving Elberon Ave. from Bassett Rd. to 8th St., 3,720 lin.ft. granite curb, 2,500 sq.yd. cement sidewalk, 1,000 gal. tarvia, 8,400 sq.yd. granite block, 1,650 cu.yd. concrete, etc. $90,090. F. Krug, City Hall, engr.

O., Columbus—March 14, by W. H. Duffy, dir. Pub. Serv., grading, curbing, laying water mains and paving Broad St. from Belle to Starling Sts., 709 ft. long, 50 ft., asphalt, $14,193; Lakeview Ave. from High St. to alley west of Milton Ave., 1,240 ft. long, 24 ft., macadam, $27,502, brick, $41,300, asphalt, $41,300; Park St. from Erie alley to Goodale St., 893 ft. long, 50 ft., asphalt, $31,765; durox, $36,242; Ridgeway Ave. from Sunbury Ave. to Nelson Rd., 1,430 ft. long, 50 ft., asphalt, $26,773, brick, $27,073, macadam $17,019; Capital St. from Wilson Ave. to alley east of Wilson Ave., 207 ft. long, 20 ft., brick, $2,525, concrete, $1,720; Goethe Ave. from Woodrow to Innis Aves., 435 ft. long, 20 ft., brick, $5,187, concrete, $4,154; alley north of Gay St., from 5th St. to Normandy Ave., 206 ft. long, 14 ft., brick, $2,508, concrete, $1,788; alley west of Champion Ave. from Fulton to Mooburg Sts., 693 ft. long, 20 ft., brick, $7,985, concrete, $6,377; alley north of 14th Ave. from 2nd alley west of 4th St. to 1st alley west of 4th St., 285 ft. long, 20 ft., brick, $3,132, concrete, $2,609; alley north of Hildreth Ave. from Biliver to Johnson Sts., 1,763 ft. long, 16 ft., brick, $6,660, concrete, $5,340; alley west of Hamlet St. from Poplar Ave. to Russell St., 528 ft. long, 20 ft., brick, $2,781, concrete, $2,175; alley west of Linwood Ave. from Moobury to Newton Sts., 634 ft. long, 20 ft., brick, $3,441, concrete, $2,689; alley west of Normandy Ave. from alley north of Gay St. to second alley west of Gay St., 172 ft. long, 15 ft., brick, $1,394, concrete, $959; alley north of 9th Ave. from Belmont Ave. to Perry St., 255 ft. long, 20 ft., brick, $2,772, concrete, $2,162; alley west of 17th St. from Sycamore to Forest Sts., 360 ft. long, 20 ft., concrete, $3,113. R. H. Simpson, city engr.

O., Shadyside—March 18, by Trustees Mead Twp. Belmont Co., grading, building bridges and paving 2½ mi. Key-Pipe Rd., 16 ft., waterbound macadam. $53,000. M. K. Brown, clk.

O., Warren—March 14, by Trumbull Co. improving Bailey Leavittsburg-Johnson Rd., 5,219 cu.yd. excav. and borrow, 1,841 sq.yd. 1:2½:5 concrete base, 16,735 sq.yd. repairing old macadam base, 1,841 sq.yd. brick pavement asphalt filler, 14,990 sq.yd. 1:1½:3 concrete pavement and 16,832 sq.yd reinforcing No. 9 mesh, etc. $63,000. R. G. Taylor, c/o surv.

Mich., Bad Axe—March 22, by Bd. Comn. Huron Co., grading and gravel surfacing 9 mi. Kinde West Rd.

Mich., Kalamazoo—March 20, for 30,000 sq.yd. sheet asphalt paving top, H. A. Bland, city purch. agt.; adv. this issue.

Mich., Kalamazoo—March 31, by Comrs. Kalamazoo Co., shaping and surfacing highway from West Lake to Vicksburg. L. J. Wykkel, co. engr.; adv. this issue.

Mich., Pontiac—March 18, by Comrs. Oakland Co., grading and surfacing 8.046 mi. Assessment Dist. Rd. 11, concrete; also 2 mi. Assessment Dist. Rd. 56, 1 mi. to be surfaced with concrete and other mile with gravel.

Mich., Port Huron—March 15, by St. Clair Co. Rd. Comn., grading and surfacing 1.09 mi. road.

Wis., Jefferson—March 17, by R. K. Henry, city clk., paving various streets, sheet asphalt, asphaltic concrete, bitulithic or concrete, incl. 11,680 sq.yd. pavement, 4,700 cu.yd. earth excav., 12,580 lin.ft. concrete curb and gutter, 1,460 ft. 10 in. storm sewer. Parsons & Orbert, 216 West Water St., Milwaukee, engrs. Noted Jan. 19.

Wis., Milwaukee—March 14, by Washington Co. Road and Bridge Comn., at office of Wisconsin Hy. Comn., 444 Milwaukee St., Milwaukee, concrete surfacing 11.12 mi. West Bend-Kewaskum Rd., Sect. A, incl. 5.52 mi., 32,553 cu.yd. earth excav., 167 cu.yd. concrete in culverts, 59,134 sq. yd. 18 ft. concrete surfacing, 19,040 bbl. cement in place, Sect. B includes 5.6 mi., 43,012 cu.yd. earth excav., 96 cu.yd. concrete in culverts, 1,050 cuyd. channel excav., 228 cu.yd. concrete in bridges, 58,340 sq.yd. 18, ft. concrete surfacing, 18,786 bbl. cement in place, etc. Wisconsin Highway Comn., 444 Milwaukee St., engrs.

Ia., Boone—March 17, 98,000 sq.yd. rein.-con. paving, 3,500 ft. boulevard curb. $230,000. C. L. Ehrhart, city engr. Noted August 18.

Ia., Clinton—March 14 grading, curbing, guttering and paving various streets in Sects. F-R inclusive, various types, 28-40 ft. $350,000. L. S. Abbott, city engr. Noted Feb. 23.

Ia., Clinton—March 14, paving 1 mi Ninth St. from Main St. north to city limit, Paving Dist. 2, 18 ft., various types. $51,000. L. S. Abbott, 410-11 Weston Bldg., city engr. Noted Feb. 23.

Minn., Little Falls—March 21, by B. Y. McNairy, aud. Morrison Co., paving 10 mi. State Project 27-22, Federal Aid Project 154, betwen Royalston and here, 115,000 sq.yd. concrete; 5 mi. State Project 27-01, Federal Aid Project 264, between here and Belle Prairie, 24,000 cu.yd. excav., 50,000 cu.yd. concrete. $380,000. Noted Jan. 12.

Minn., Pipestone—May 15, rein.-con. paving 4,901 sq.yd. Cottonwood St. from south line of Lawrence St. to main railroad tracks, 1,038 cu.yd. grading, 5,643 ft. curbing. $25,000. S. W. Funk, clk.

Minn., St. James—March 13 by C. Larson, city clk., paving, curbing and guttering portions 7th St. S. and 7th Ave. S. $30,000.

Kan., Atchinson—March 28, by Comrs. Atchingon Co. concrete slab and necessary grading 3.382 mi. Parallel White Way, Federal Aid Projects 82 and 72, 18 ft., $115,000; grading 13.113 mi. Southwest Trail, Federal Aid Project 83, 29½ ft., $75,000. R. Kerr, Atchinson engr.

Kan., Minneapolis—March 24, by Comrs. Ottawa Co. concrete slab with necessary grading 4.079 mi., Meridian Highway Federal Aid Projects 103 and 110, 18 ft. $100,000. O. E. Adee, co. engr.

Kan., Mound City—April 4, by Comrs. Linn Co., grading 7.244 mi. La Cygne-Pleasanton-Prescott Rd., Federal Aid Project 109A, 95,000 cu.yd. earth excav. $75,000. C. E. Kenney, Mound City, engr.

Neb., Omaha—March 14, paving with brick and asphalt on concrete, Swigart and 50th Aves., Maple, Binney, Wirt, 50th, Cedar, 56th to 58th, Seward, 39th, Mason, Newport, Pratt and Spaulding Sts., $75,000. H. Beal, city engr.

Missouri—March 17, by State Hy. Dept. at div. office Galena, 3.61 mi. road from Reed Springs to Blue Eye, Federal Aid Project 161, Sect. D, Stone Co., 24,784 cu.yd. earth and 1,953 cu.yd. rock excav., 4,327 cu.yd. borrow and 34.2 cu.yd. concrete masonry, etc. $26,577. A. Graham, Jefferson City, state highway engr.

Missouri—March 17, by State Hy. Dept. at div. office Milan, 7.115 mi. road from Milan northward, State Aid Project 20,139, Sullivan Co., 56,772 cu.yd. earth excav. and 59.8 cu.yd. concrete masonry, etc. $26,428. A. Graham, Jefferson City, state highway engr.

Ark., Paragould—March 14, by Comrs. Bay Road and St. Francis River Rd. Impvt. Dist., Poinsett Co., at office of W. R. Heagler & Son, engrs., Paragould, 16 mi. graveled roads, etc.; adv. this issue.

Tex., Mexia—March 14, by D. L. Harp, mayor, paving various streets, 125,000 sq. yd. uvalde rock asphalt, vertical fibre brick or bitulithic, 30,000 cu.yd. earth excav., 60,000 lin.ft. concrete curbing. E. L. Dalton, 1915½ Main St., Dallas, engr.

Tex., San Angelo—March 14, by B. H. Yancy, mayor, paving 116,801 sq.yd. various main streets, water bound macadam with inverted penetration top, alternates on bitulithic, rock asphalt, brick, etc., incl. 36,131 lin.ft. combined curb and gutter. L. H. Laging, city engr.

Col., Denver—March 14, by Dept. Impvts and Parks improving 2½ mi. Bway. Paving Dist. 6, 60 ft. asphaltic concrete on 4 in. slag, also 10-30 in. vitr. storm sewers $174,450. J. B. Hunter, city engr.

Col., Denver—March 21, by Dept. Impvts and Parks, City Hall, concrete curbing, grading and surfacing ½ mi. West Colfax Impvt. Dist., 30 ft., $88,750; concrete paving 12 blocks Alley Paving Dist. 70, $28,000, 12 blocks Alley Paving Dist. 69, $28,000, 12 blocks Alley Paving Dist. 68, $28,000. J. B. Hunter, City Hall, engr. Noted Jan. 5.

Washington—March 21, by State Hy Dept., Olympia, grading and paving 4 mi. Inland Empire Highway from Dartford to Half Moon Prairie, Spokane Co.; 4 mi. Inland Empire Highway from Half Moon Prairie to Dennison, Spokane Co.; 4.73 mi. Ocean Beach Highway from Chehalis to Adna, Lewis Co.; 4.02 mi. Olympic Highway from Montesano to Brady, Grays Harbor Co.; 5.38 mi. Olympic Highway from Kamilche to Mill Creek, Mason Co.; 10 mi. Pacific Highway from Kelso to Kalama, Cowlitz Co., all with 1 course concrete. J. Allen, state highway engr.

Wash., Montesano—March 20, by Grays Harbor Co. grading and graveling 2 mi Johns River Rd. from Markham to Western Rds. H. S. Shorey, Montesano, engr.

Cal., Lodi—March 20, by City Trustees, hydraulic concrete curbing and guttering, and paving with 1½ in. Warrenite on 2½ in. asphaltic concrete, Central Ave., $37,200; Daisy Ave., $11,728; Hilborn St., $23,752. L. F. Barzellotti, 509 West Elm St., engr. Noted Feb. 2.

BIDS RECEIVED

Pennsylvania—State Hy. Dept., Harrisburg, opened bids Feb. 28 for 39,672 ft. Route 57, Snyder, Taylor and Rush Twps., Blair and Centre Counties, from Clark Constr. Co., Hastings, $371,367, Torquato Bros. Co., 1317 Midway Ave., Windber, $381,158, Pottsville Constr. Co., Mortimer Bldg., Pottsville, $390,457; 34,433 ft. Application 1248, Canton and LeRoy Twps., Bradford Co., from A. W. Hinaman, 373 Windsor St., Akron, O., $260,924, F. D. Ross, 74 High St., Bradford, $271,630, Warren Bros. Co., 9 Cambridge St., Boston, Mass., $291,494; 57,665 ft. Routes 218 and 233, Mercer and Irwin Twps., Butler and Venango Counties, from Buckeye Constr. Co., 25 Avondale Ave., Youngstown, O., $457,361, D. W. Chalis & Sons, Inc., 420 Centennial Ave., Sewickley, $457,483, S. Gamble Co., Glass St., Carnegie, $471,817; 25,175 ft. Route 65, Ashland and Elk Twps. Clarion Co., from Kavanaugh & De Niro Constr. Co., 408 Mahoning Bank Bldg., Youngstown, O., $211,050, McDermott & Hannon, 13½ State St., Niles, O., $214,150, Smethport Constr. Co., 69 North Main St., Union City, $215,879; 5,776 ft. Application 1787, Curwensville Boro., Clearfield Co., from L. A. Brua, Jr., Hollidaysburg, $65,321, G. I. Thompson Co., Clearfield, $65,764, E. H. Brua, Hollidaysburg, $67,581; 8,218 ft. Application 1787, Pike Twp., Clearfield Co., from Burnside Constr. Co., Inc., Burnside, $81,392, Lord Constr. Co., Hastings, $81,833, Miller Constr. Co., Punxutawney, $82,451; 16,812 ft. Application 1787, Knox Twp., Clearfield Co., from Burd Constr. Co., Cresson, $146,954, D. McNeil Co., 6120 Jenkins Arcade Bldg., Pittsburgh, $150,125, G. I. Thompson Co., Clearfield, $155,303; 24,573 ft. Application 1545, Woodward Twp., Clearfield Co., from Smethport Constr. Co., 69 North Main St., Union City, $197,197, Gifford & Pritchard, Philipsburg, $206,150, J. Herrmann, 1305 Jefferson St., Latrobe, $210,045; 11,774 ft. Route 34, Lemoyne and Camp hill Boro., Cumberland Co., from Souder Constr. Co., 349 Woolworth Bldg., Lancaster, $171,215, Neumeyer Bros., 1416 East 4th St., Bethlehem, $175,704, Swanger-Fackler Constr. Co., 2nd and Canal Sts., Lebanon, $177,928; 33,672 ft. Route 195, Buffalo Twp. Perry Co., from Ambler Davis Co., Harrison Bldg., Phila., $355,497, C. E. Parsons Co., 155 North Clark St., Chicago, Ill., $373,180, Harrison Eng.. & Contg. Co., 1026 Ellicott Sq., Buffalo, N. Y., $379,043; 27,412 ft. Route 178, Lower Gwynedd, Whitpain and East Norriton Twps., Montgomery Co., from E. A. Corson, 739 Asbury Ave., Ocean City, N. J., $203,640, Eng. & Constr. Co., 720 Commercial Trust Bldg., Phila., $209,849, Comerford Constr. Co., 125 South 5th St., Phila., $210,414; Routes 194, 195 and 229, Snyder Co., from Comerford Constr. Co., 125 South 5th St., Phila., $512,909, Mangan & Risser, Pottsville,

Streets and Roads (Continued)

$551,006, Clark Bros. Constr. Co., Hastings, $584,655; 27,981 ft. Route 51, Summit and Elk Twps., Somerset Co., from M. F. McCabe & Co., 415 Deveny Bldg., Fairmount, W. Va., $251,914, Corrado & Galiardi, Colonial Natl. Bank Bldg., Connellsville, $258,340. Burd Constr. Co., Cresson, $283,280; 43,473 ft. Route 268, Allen Twp., Washington Co., from R. Galiardi & Sons, 279 East Fairview Ave., Connellsville, $133,248, Colonial Constr. Co., 806 Wabash Bldg., Pittsburgh, $144,215, Donora Constr. Co., Inc., Donora, $152,515. Noted Feb. 9.

Pennsylvania—State Hy. Dept., Harrisburg, opened bids March 1, for 11,378 ft. Route 120, North Versailles Twp., Allegheny Co. and North Huntingdon Twp., Westmoreland Co., from Dunn & Ryan Contg. Co. Inc., 910 Keystone Bldg., Pittsburgh, $92,478, M. O'Herron Co., South 1st and McKean Sts., Pittsburgh, $101,236, G. S. White Co., Jenkins Ave., Pittsburgh, $107,295; 10,500 ft. Application 1303, Athens Twp., Bradford Co., from Horn & Devling, Galeton, $80,329, Warren Bros. Co., 9 Cambridge St., Boston, Mass., $83,793, R. H. J. DeLong, 229 West 4th St., Williamsport, $85,676; 37,713 ft. Application 1246, Smithfield and Ulster Twps., Bradford Co., from Horn & Devling, Galeton, $291,758, Warren Bros. Co., 9 Cambridge St., Boston, Mass., $318,743, H. W. Horst Co., Horst Bldg., Rock Island, Ill., $332,615; 12,392 ft. Application 1328 and Route 237, Red Bank Twp., Clarion Co., from J. Battenfield Sons Co., 404 North Ave., Millvale, $95,106, D. McNeil Co., 6120 Jenkins Arcade Bldg., Pittsburgh $109,740, F. D. Ross, 74 High St., Bradford, $110,400; 2,432 ft. Application 1435 and Route 234, Clearfield Co., from Gifford & Pritchard, Philipsburg, $27,305, E. H. Brua, Hollidaysburg, $29,079, T. J. Strickler, 508 Church St., Huntingdon, $31,304; 25,515 ft. Application 1776, Sandy Twp., Clearfield Co., from Matthews Bros., Constr. Co., Inc., 1133 Fermon Ave., Pittsburgh, $164,664 Minns Bros., 601 1st St., DuBois, $166,185, W. C. Guncheon & Co., Smethport, $167,608; 22,515 ft. Application 1774, Sandy Twp., Clearfield Co., from W. C. Guncheon & Co., Smethport, $52,123, Johnson & Kearns, DuBois, $53,333, G. I. Thompson Co., Clearfield, $55,672; 34,529 ft. Application 1707, West Pennsboro Twp., Cumberland Co., from Development & Constr. Co., Amer. Bldg., Baltimore, Md., $204,323, Mangan & Risser, Pottsville, $208,900, Harrison Eng & Constr. Corp., 1076 Ellicott Sq., Buffalo, N. Y., $211,445; 15,128 ft. Route 225, Randor Twp., Delaware Co., from Dunlevy Bros. Co., 9 Pennegar Bldg., Coatesville, $134,759, W. E. Supple Co., Wayne, $139,108, V. Di Francesco, 17 Mifflin Ave., Llanerch $140,385; 19,210 ft. Applications 1584, 1589 and 1581 and Route 248, Rose and Eldred Twps., Jefferson Co., from Matthew Bros., Constr. Co., 1133 Fermon Ave., Pittsburgh, $138,379, Austin Rankin Cooper, Idamar $143,026, D. McNeil Co., 6120 Jenkins Arcade Bldg., Pittsburgh, $147,199; 10,707 ft. Route 61 and Application 1590, Snyder Twp., Jefferson Co., from Austin Rankin Cooper, Idamar, $89,596, D. W. Challis & Sons, 420 Centennial Ave., Sewickley, $93,316, D. McNeil Co., 6120 Jenkins Arcade Bldg., Pittsburgh, $95,355; 33,042 ft. Route 195, Susquehanna Twp., Juanita Co., and Liverpool Twp., Perry Co., from Trinidad Asphalt Paving Co., Larksville, $324,771, W. C. Evans, Amber, $328,274, Swanger-Fackler Constr. Co., 2nd and Canal Sts., Lebanon, $329,491; 20,156 ft. Route 210, Eldred Twp. McKean Co., from P. B. Colgan, Eldred, $150,973, F. D. Ross, 74 High St., Bradford, $154,726, G. Metzger Jr., Emporium, $159,789; 2,833 ft. Route 18 Upper Augusta Twp., Northumberland Co., from Gregory Paving Co., 426 Electric Ave., Lewistown, $27,121, G. W. Rockwell, 529 Chestnut St., Sunbury, $27,683, B. G. Coon Constr. Co., 274 Union St., Luzerne, $29,839; 37,714 ft. Route 65, Rockland and Cranberry Twps., Venango Co., from Kavanaugh-De Niro Constr. Co., 408 Mahoning Bank Bldg., Youngstown, O., $316,345, Smethport Constr. Co., 69 North Main St., Union City, $317,285, Pottsville Constr. Co., Mortimer Bldg., Pottsville, $323,777. Noted Feb. 9.

North Carolina — State Hy. Comn., Raleigh, improving (1) 13.37 mi. State Project 577, Randolph Co., (2) 11.27 mi. State Project 154, Martin Co., (3) 5.46 mi. State Project 731, Davie Co., (4) 1.6 mi. State Project 904, Buncombe Co., (5) 8.34 mi. State Project 210, Craven Co., (a) clearing, grading and concrete or asphaltic paving, (b) rein.-con. bridges and culverts, from Lampton & Bucks, 701 Realty Bldg., Louisville, Ky., (1a) $331,654, (1b) $11,373, J. L. Brinkley, Thomasville, (1b) $10,003, Royer-Ferguson Co., High Point, (1a) $346,475, (1b) $10,615, Union Paving Co., 30th and Locust Sts., Phila., (1a) $369,135, (2a) $360,035, (5a) $245,896, Southern Willite Paving Co., Richmond, Va., (2a) $345,433, (5a) $254,835, O. F. Leighton & Co., Richmond, Va., (2b) $12,813, J. L. McGeehee, Tarboro, (2b) $12,923, A. D. Bridges Son, Inc., Hazardville, Conn., (2a) $374,136, Powell Paving & Contg. Co., Palmetto Bank Bldg., Columbia, S. C., (2b) $13,844, (5b) $17,427, G. R. Martin, Salisbury, (3a) $164,670, Heilig & Sherrill, Winston-Salem, (3b) $12,492, W. E. Graham, Salisbury, (3a) $174,012, Gibson Constr. Co., Knoxville, Tenn., (3b) $13,455, Callahan Constr. Co., Empire Bldg., Knoxville, Tenn., (3a) $175,280, Stearns Bros., Statesville, (3b) $13,905, Asheville Paving Co., Asheville, (4a) $65,280, R. C. Stevens, Asheville, (4b) $8,428, G. Ginn, Inc., Gastonia, (4a) $67,398, H. A. Brown & Co., West Asheville, (4b) $8,673, R. G. Rand, Hendersonville, (4a) $69,277, (4b) $9,198, A. L. Gilbert, Durham, (5b) $15,849, West Constr. Co., Kinston, (5a) $246,782, Luten Bridge Co., 405 East 4th St., Knoxville, Tenn., (5b) $20,409. Improving (6) 2.4 mi. State Project 174, Pasquotank Co., (7) 1.61 mi. State Project 377, Pender and Duplin Counties, (8) 12 mi. State Project 300, Bladen Co., (9) 6.39 mi. State Project 607, Anson Co., (a) clearing, grading and topsoiling, (b) rein.-con. bridges and culverts, from G. E. Ward, Elizabeth City, (6a) $31,129, (6b) $20,304, D. E. Williams, South Mills, (6a) $31,881, (6b) $18,863, W. D. Murray-Sadler & Son, Norfolk, Va., (6b) $19,691, C. W. Lacy, Wilmington, (6a) $33,750, (8b) $27,303, R. E. Martin, Mountain City, Pa., (7a) $13,575 H. C. Quist, Savannah, Ga., (7b) $56,306, N. L. Teer, Durham, (7a) $14,130, (7b) $56,832, (8a) $36,937, (8b) $22,410, Jamison Bros., High Point, (7a) $14,326, H. Cole, Huntington, W. Va., (7b) $58,803, T. W. Chandler, Virgilina, Va., (8a) $36,844, (9a) $22,371, Cheatwood & Palmer, Columbia, S. C. (8b) $23,148, J. F. Mulligan Co., North Wilkesboro, (8a) $37,965, Geer & Wilson, Rutherfordton, (9a) $21,636, Booz-Loyd & Co., Marion, (9b) $11,734, Gibson Constr. Knoxville, Tenn., (9a) $21,950, O. A. Mann & Co., La Grange, Ga., (9b) $11,736, Striplin, Stroddy & Newell, Corinth, Miss., (9b) $11,973. Improving (10) 5.58 mi. State Project 860, Mitchell Co., (11) 7.13 mi. State Project 940, Haywood Co., (a) clearing, grading and waterbound macadam paving, (b) rein.-con. bridges and culverts, from J. F. Mulligan Constr. Co., North Wilkesboro, (10a) $109,385, W. H. Anderson Constr. Co., Spruce Pine, (10b) $21,395, (10a) $116,696, Gibson Constr. Co., Knoxville, Tenn., (10a) $109,882, (10b) $25,330, (11b) $15,515, Callahan Constr. Co., Empire Bldg., Knoxville, Tenn., (10b) $22,117, (11a) $112,461, Alexander & Patton, Swannanoa, (11a) $103,661, (11b) $4,987, H. A. Brown & Co., West Asheville, (11b) $13,132, Costello Bros., Knoxville, Tenn., (11a) $105,617. Clearing, grading and topsoiling (12) 14.93 mi. State Project 196, Washington Co., (13) 16.47 mi. State Project 272, Sampson Co., from W. N. Thompson, Burlington, (12) $45,208, N. L. Teer, Durham, (12) $46,409, (13) $44,829, J. H. Marrow, Clarksville, Tenn., (12) $53,350, R. E. Martin, Mountain City, Tenn., (13) $43,593, Striplin, Stroddy & Newell, Corinth, Miss., (13) $44,259. Grading, rein.-con. or asphaltic paving and rein.-con. bridges and culverts on 10.1 mi. State Project 654, Mecklenburg Co., from Lampton & Bucks, 701 Realty Bldg., Louisville, Ky., $276,370, Noll Constr. Co., Lexington, $325,552, P. J. Smallwood & Sons, James Bldg., Chattanooga, Tenn., $397,825. Noted Feb. 2, 6 and 9.

Fla., Bradentown—Comrs. Manatee Co., grading and paving 55 mi. Manatee-Oneco Rd. Dist., 10 mi. with asphalt and 45 mi. with shell, from Finley Method Co., Graham Bldg., Jacksonville, $250,000; H. R. Curry, Bradentown, $260,000; Fish Bros., Tampa, $320,000. Noted Feb. 23.

Ohio—Dept. Highways and Pub. Wks., Columbus, opened bids Feb. 28, grading, bridging and paving roads in following counties: Lucas Co., Sect. "H-3" Toledo-Wauseon Rd., 2.15 mi., 16 ft., rein.-con., from Warner & McKetchnie, Toledo, $54,870; James Sheehan Co., Toledo, $56,426; Thompson & O'Rourke Co., Toledo, $56,499. Madison Co., Sect. "West Jefferson" Columbus-Cincinnati Rd., 0.306 mi., pavement 16 ft., roadway 26 ft., from McDaniel & Co., Dayton, $4,751; S. M. Billiter, 407 Mer. Lib. Bldg., Cincinnati, $4,981; Renick & Smith, Columbus, $4,983. Seneca Co., Sect. "E" Columbus-Sandusky Rd., 3.882 mi., 16 ft., (a) asphaltic macadam, (b) tar macadam, from Laubis Stone Co., Kenton, (a) $71,595, (b) $74,147; Creager Bros., Liberty Center, (a) 74,632; L. J. Boenschoeter, Toledo, (a) $74,744; C. M. Gray, Waterville, (b) $74,919; Pettibone & Graves, Lakeside, (b) $75,013. Noted Feb. 23.

Ohio.—Dept. Highways and Pub. Wks., Columbus, opened bids March 1, grading bridging and paving (a) bitulithic, (b) bitoslag, (c) semi-monolithic brick, (d) state to furnish semi-monolithic brick, (e) rein.-con., roads in following counties: Hamilton Co., Sect. "U' Cincinnati-Dayton Rd., 1.457 mi., from A. Birnbaum, Cincinnati, (a) $84,126, (b) $83,963, (c) $[illegible] (probably all informal); Scully Bros., Cincinnati, (a) $86,985, (b) $88,451, (d) $66,164; Hinkle & Sullivan, Cincinnati, (a) $88,948; Pub. Wks. Constr. Co., 57 Nagings Blk., Cincinnati, (b) $84,791; V. C. Smith, 51 Oxford Ave., Dayton, (c) $78,911; H. Strodbeck, Ashland, (c) $79,225; Metzel & O'Hearn, 16th St. and Madison Cov. Cincinnati, (d) $60,747. Lorain Co., Sect. "O-2" Medina-Elyria Rd., 1.56 mi., 16 ft., from Lane & Freeman, Newman Stern Bldg., Cleveland, (e) $39,938; Elyria Constr. Co., 220 Elyria Blk., Elyria, (e) $40,634; Kriner & Bets, Madison, (e) $40,890.

Wis., Elkhorn—Walworth Co. Road and Bridge Comn., opened bids Feb. 28, concrete surfacing Whitewater-Richmond Rd., from Gruenke Bros., Appleton, $91,428; Whitewater Constr. Co., Whitewater, $94,756; Whitewater Bridge Co., Whitewater, $96,225; Delavan-Elkhorn Rd., from G. Welch, Beloit, $57,650; R. R. Bridsall, 1025 12th St., Racine, $60,838; Universal Eng. Co., Ingram Bldg., Eau Claire, $63,322. Noted Feb. 23.

Missouri—State Hy Dept. at div. office Houston, opened bids Feb 20, 6.875 mi. road from Cabool northeastward, Federal Aid Project 90, Sect. B, Texas Co., (1) 36,421 cu.yd. earth excav., (2) 6,727 cu. yd. rock excav., (3) 5,441 cu.yd. borrow, etc., from M. E. Gillioz, Monett, (1) $0.35, (2) $1.75, (3) $0.30, total $35,966; Summerfield-Jones Co., Springfield, (1) $0.33, (2) $1.90, (3) $0.33, $35,969; Maxwell Constr. Co., Columbus, Kan., (1) $0.30, (2) $2, (3) $0.30, $36,052. Noted Feb. 16.

Missouri—State Hy. Dept. at div. office Van Buren, opened bids Feb. 24, 7.743 mi. road from Van Buren to Teeper, State Aid Project 20.122, Carter Co., (1) 40,678 cu. yd. earth excav., (2) 9,335 cu.yd. rock excav., (3) 4,222 cu.yd. borrow, etc., from Davis Constr. Co., Imboden, Ark., (1) $0.30, (2) $1.50, (3) $0.30, total, $34,912; Maxwell Constr. Co., Columbus, Kan., (1) $0.37, (2) $1.50, (3) $0.37, $37,709; Allhands & Davis, Joplin, (1) $0.345, (2) $1.725, (3) $0.345, $38,708. Noted Feb. 2.

Missouri—State Hy. Dept. at div. office Waynesville, opened bids Feb. 28, 4,076 mi. road from Waynesville to Laclede Co. line, State Aid Project 20.131, Pulaski Co., 15,618 cu.yd. earth excav., 3,127 cu.yd. borrow, 92.1 cu.yd. concrete masonry, etc., from E. A. Oliver, Richland, Kan., $9,992; 3.494 mi. road from Anderson to Maries Co line, State Aid Project 138, Pulaski Co., 24,152 cu.yd. earth excav., 1,249 cu.yd. borrow, 165.9 cu.yd. concrete masonry, etc., from L. E. Rollens, Discon, $12,141, Pioneer Constr Co., Springfield, $12,602; 4.443 mi. road from Waynesville to Crocker, State Aid Project 20.137, Pulaski Co., 23,282 cu. yd. earth excav., 3,065 cu.yd. borrow, 89.4 cu.yd. concrete masonry, etc., from B. E. Stiles, Crocker, $12,229, Pioneer Constr. Co., Springfield, $12,615. Noted Feb. 23.

CONTRACTS AWARDED

New York—H. S. Sisson, comr. State Hy. Dept., Albany, improving 3.25 mi. Highway 1562, Albany Co., to L. Mayersohn, 6 Catalpa Dr., Albany, $85,466; 0.73 mi. Highway 1608, Broome Co., to Stento & Serafini, 84 Court St., Binghamton, $46,460; 5.73 mi. Highway 8087, Cayuga Co., to Pathfinder Constr. Co., Inc., Fulton, $179,995; 7.9 mi. Highways 5669 and 8088, Clinton Co., to Smith Bros. Constr. Co., Cleveland Bldg., Watertown, $240,655; 3.79 mi. Highway 8086, Erie Co., to Wieberg Bros. Forks, $117,824; 9.41 mi. Highway 8089, Genesee Co., to E. J. Bailey, Brocton, $268,677; 8.5 mi. Highway 8090, Herkimer Co., to P. Morford and C. J. Nitsch, Fultonville, $243,075; 1.06 mi. Highway 5667, Montgomery Co., to J. B. Fazio, 4 Leonard St., Oneida, $57,765; 2.25 mi. Highway 1607, Orleans Co., to Sweeney & Boland, Rochester, $43,244; 4.14 mi. Highway 1609 Schenectady Co., to J. J. Bellotte & Son Constr. Co., Troy, $129,674. Noted March 2.

N. J., Cape May—Cape May Co., paving State Highway Route 14, Sect. 5, Cape May Court House-Swainton, rein.-con., to Sutton & Corson, Ocean City, $118,776 Noted Feb. 2.

N. J., Hackensack—Bd. Freeholders Bergen Co., paving 2 mi. Sect. I-B State Highway Route 10, to J. Kinzley, 65 Hudson St., 91% engineer's estimate ($94,875).

Pa., Phila.—For paving Kensington Ave. from Ontario to Frankford Aves., granite

Streets and Roads (Continued)

block, to M. J. McCrudden, Real Estate Trust Bldg., $84,786.

W. Va., Huntington—Cabell Co. grading and hard surfacing 1.9 mi. Long Branch Rd., to G. L. Pence, Huntington, $59,000; paving 2.14 mi. Seven Mile Rd., to J. E. Dougher & Son, Huntington, $65,000; paving 3.6 mi. Salt Rock-Barboursville Rd. from Martha to Inez, to Hatfield Constr. Co., Huntington, $146,798. Noted Mar. 2.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving 6.01 mi. Sect. "H" Van Wert-Paulding Rd., Paulding Co., rein.-con., to P. B. Putnam, Van Wert, $145,043; 4.09 mi. Sect. "G-1" Bryan-Napoleon Rd., Williams Co., asphaltic macadam, to Brennan Constr. Co., Bryan, $77,814. Noted Feb. 23.

O., Canton—Stark Co. paving 1½ mi. Canton-Sherman Church Rd., 18 ft., brick on concrete, to Garaux Bros., 735 Market Ave., S., $50,369.

O., Canton—Stark Co. paving 1½ mi. Aultman-Greentown Rd., 18 ft., brick with combination curb and base and asphalt filler, to Urban Bros., Canton, $34,965; 1½ mi. North Canton-Maximo Rd., 18 ft., brick with combination curb and base and asphalt filler, to P. Christensen, 1355 Yale Ave. N. W., $49,463; 1½ mi. Canton-Middlebranch Rd., 18 ft., monolithic, to G. Hedley, 302 Goldberg Bldg., Market Ave. S., $49,686. Noted Dec. 22.

O., Cleveland—Grading, curbing and paving Vineyard Ave., to Fisher & Williams, Lorain Rd., West Park, $33,535; East 126th St., to Baldwin Bros., 4500 Euclid Ave., $26,855; Stewart Ave., East 97th and East 96th Sts., to H. G. Herring, Pavers Exch., Society for Savings Bldg., $6,638, $10,693 and $7,590 respectively; East 160th, East 153rd and East 129th Sts., Everett and Edmonton Aves., Aspinwall Ave. from East 152nd to East 154th Sts. and Aspinwall Ave. from East 155th St. to St. Clair Ave., to Gould & Maybach, 823 East 150th St., $19,341, $5,203, $15,453, $1,177, $5,559, $4,958 and $13,381 respectively; East 114th St. and Colonial Court, to River Constr. Co., Schofield Bldg., $9,948 and $4,636 respectively; Grandview Ave. to Rieley Bros., The Arcade, $27,382; Zimmer Ave. to Freshwater Constr. Co., Natl. Bldg., $7,064; East 98th St., to Enterprise Paving & Constr. Co., 8444 Bway., $7,144; West 44th St., Adelbert and Paxton Rds., Paul and Woodside Aves., to Cleveland Trinidad Paving Co., The Arcade, $2,850, $20,856, $11,344, $5,004 and $6,901 respectively; Calvin Court, West 21st St., Fruit, Tampa, Natchez and Wichita Aves., to Roehl Bros., West 25th St. and Clark Ave., $3,459, $2,092, $4,483, $15,877, $14,539 and $17,717 respectively. Noted Feb. 16 and March 2.

Ia., Harlan—City Primary Rd. Project 5, 4,857 cu.yd. excav., 10,00 sq.yd. paving, to Western Asphalt Paving Corp., 1st and Nebraska Sts., Sioux City, excav. $0.35 per cu.yd., Class B asphaltic concrete $2.71 per sq.yd. Noted Feb. 9.

Ia., Orange City — Sioux Co. grading 23.544 mi. road from Rock Valley towards Sheldon and Sioux Center, to W. R. Larson Constr. Co., 520 Secy. Natl. Bank Bldg., Sioux Falls, S. D., 80,525 cu.yd. excav. at $0.21 per cu.yd.; Peterson, Shirley & Gunther, 1102 Woodmen of the World Bldg., Omaha, Neb., 109,915 cu.yd. excav. at $0.21 per cu.yd.; 53 box culverts, 12 extensions and two I beams, to Hessel Roorda, Rock Valley, $18,358. Noted Feb. 9.

Missouri—State Hy. Dept. at div. office Huntsville, to A. P. Munsen, Marion, Ia., 6.383 mi. road from Huntsville to Keytesville, Federal Aid Project 44, Sect. A, Randolph Co., $21,083, one 40 ft. rein.-con. through girder skewed, one 75 ft. pony truss span with two 20 ft. rein.-con. slab spans and one 16 ft. rein.-con. slab span skewed, 18 ft. roadways, on above road, $16,651. Noted March 2.

Mo., Neosho—Improving 20 mi. North and South Rd., 24 ft., macadam, to J. L. Wolfenbarger, Neosho, $60,000. Noted April 28.

Tex., McKinney—Collin Co. grading 19.95 mi. Plano and Celina Rd. Dists., incl. 3,980 cu.yd. roadway and 715 cu.yd. loose rock excav., 438.15 cu.yd. concrete, 11,892 lb. reinforcing, to McCoy & Richards, Arlington, $34,620.

Utah—State Rd. Comn., Salt Lake City, grading and hardsurfacing 15.5 mi. road from Nephi to Utah Co. line, Juab Co., 164,151 sq.yd. concrete, 15,180 cu.yd. earth and 965 cu.yd. rock excav., to Reynolds Ely Co., Springville, $482,414; 10.45 mi. from Price to Castlegate, Carbon Co., 110,350 sq.yd. concrete, 6,000 cu.yd. excav., to Gray & Murdock, Dooley Bldg., Salt Lake City, $317,834. Noted Feb. 2.

Ariz., Prescott—Yavapai Co. grading 13 mi. Sect. C, Black Canyon-Camp Verde Rd., to Roger Bros. & Willis, Snowflake, $47,909; 13 mi. Sect. 2 Prescott-Wickenburg Highway, to Faucett & Williams, Miami, $30,339. Noted Feb. 16.

Wash., Montesano — Grays Harbor Co. clearing, grubbing and grading 5½ mi. Oakeville-Porter Rd., to Rowland Bros., Arctic, $32,242; clearing and grading 4.7 mi. Westport-Pacific Co., Rd., to Grays Harbor Constr. Co., Montesano, $31,500. Noted Feb. 9.

California—State Hy. Comn., Sacramento, paving 17.3 mi. highway between Forsythe Creek and Outlet Creek, Mendocino Co., asphaltic macadam, to Conners & Hansen, Santa Rosa, $264,994; grading 16.8 mi. highway between San Felipe and easterly boundary, Santa Clara Co., to Rhodes & Price, Hilt, $195,891; paving 1 mi. highway between King City and south side of Salinas River, asphaltic concrete, to J. A. Costello, Jr., 1083 Shotwell St., San Francisco, $22,600. Noted March 2.

Cal., Fresno—Paving 5.2 mi. Centerville-Dunlop Rd., macadam, to N. M. Ball, Masonic Bldg., Porterville, $48,303; paving in Liberty Cemetery, to Thompson Bros., G and Divisadero Sts., $2,231. Noted Feb. 16.

Cal., San Diego — Improving Wellborn, Suter, Neale and Torence Sts., to G. R. Daley, McNeece Bldg., $29,954. Noted Nov. 17.

Industrial Works

PROPOSED WORK

Me., Skowhegan — Maine Spinning Co. plans brick and oncrete mill. $200,000. Architect not announced.

Mass., Holyoke—R. Magna Auto Co. having plans prepared 2 story, 75 x 100 ft., brick and steel garage, plain foundation, Northampton St. $50,000. Private plans.

Mass., Lawrence—Amer. Woolen Co., 245 State St., Boston, plans 6 story, 100 x 500 ft., rein-con. addition, at Washington Mills Plant, here. $800,000. Private plans.

Mass., New Bedford—Tait Bros., 103 North Front St., plan 2 story, ice cream plant, brick. $40,000. Architect not announced.

Mass., North Carver—L. S. Baker plans 2 story, mill construction knitting mill, also dye house. Private plans.

Mass., Salem — Hygrade Lamp Co., 60 Boston St., having plans prepared by Monks & Johnson, archts., 99 Chauncey St., Boston, 4 story, 50 x 100 ft., brick factory, Boston St. $75,000.

Conn., Hamden (New Haven P. O.)—Natl. Filter Cloth and Weaving Co., 57 Hope St., Brooklyn, N. Y., plans 1 story, 70 x 200 ft., brick and cement plant, Dixwell Ave., here. $60,000. Private plans.

Conn., Hartford—Herchman & Levine, 223 Main St., having revised plans prepared by F. C. Walz, archt., 407 Trumbull St., 2 story, 85 x 190 ft., garage, sales and repair shop, brick, concrete and steel, Main St. $125,000. Noted Jan. 5.

N. Y., New York—M. I. St. John, c/o G. Keister, archt. and engr., 56 West 45th St., having plans prepared 4 story, 125 x 150 ft., brick, steel and stone garage, plain foundation, Grand Concourse and 174th St. $125,000.

Pa., Phila.—Rodgers Hosiery Co., Lena and Collum Sts., takes bids early in spring, 3 story, 154 x 174 ft. rein.-con., brick and steel factory, plain foundation, Stenton and Wyoming Aves. $300,000. Private plans.

Pa., Pittsburgh—J. C. Forster & Son, 2519 Penn Ave., having plans prepared 2 story, 50 x 100 ft., factory, at 2519 Penn Ave. $40,000. Private plans.

D. C., Langdon—Capitol Bedding Co., 441 G St., N.W., having plans prepared by Cutler & Moss, archts., 1301 H St., N.W., brick and concrete factory, here, $65,000.

D. C., Wash.—Chapin-Sacks Co., 1st and M Sts., N.E., having plans prepared by J. White, archt., 113 2nd St., N.E., brick and concrete factory, $75,000.

O., Cleveland—Coe & Baeher, 1795 East 90th St., had plans prepared 2 story, 37 x 62 ft., brick and timber garage and commercial building, plain foundation, 8212 Carnegie Ave. $40,000. Private plans.

O., Cleveland—W. S. Ferguson, 1900 Euclid Ave., (owner, archt. and engr.) prepared preliminary plans, 1 story, 60 x 120 ft., brick and steel garage, plain foundation, East 152nd St. and Collamer Rd. $40,000.

O., Cleveland—C. W. Fessenden, c/o W. J. Wefel, archt., 624 Union Bldg., had plans prepared 1 story, 50 x 141 ft., brick and steel garage, plain foundation, 2892 East 116th St. $50,000.

O., East Cleveland (Cleveland, P. O.)—See "Buildings."

O., Toledo—Sandusky Cement Co., c/o F. G. Herman, Engineers Bldg., Cleveland, having plans prepared by W. B. Rawson, archt., Engineers Bldg., Cleveland, 1 story, brick, steel and concrete plant, plain foundation, 12 mi. west of here. $1,000,000.

Ill., Brisbane — Western Union Telegraph & Cable Co., c/o A. C. Isenhoff, Joliet, soon receives bids 2 story, creosoting plant, brick and steel, here. $65,000. G. M. Yorks, 195 Bway., New York, engr. Noted Mar. 2.

Ill., Chicago—H. A. Anderson, archt., 3116 Sunnyside Ave., soon receives bids 4 story, 50 x 138 ft., ice skate factory, rein.-con., brick and steel, North and Francisco Aves., for A. Johnson, 2812 North Ave. $100,000.

Ill., Decatur—Decatur Lumber & Mfg. Co., 666 North Water St., having plans prepared by Brooks, Bramhall & Dange, archts., 208 Natl. Bank Bldg., 3 story factory and warehouse, rein.-con. and brick. $50,000.

Ill., Jacksonville—International Shoe Co., c/o A. Hume, 1505 Washington St., St. Louis, Mo., having plans prepared by H. Rinehardt, archt., 13th and Mullanphy St., St. Louis, Mo., 3 story factory, brick and steel, here. $50,000. Noted Nov. 24.

Ill., Shelbyville—M. O. Finks having plans prepared 1 story, 62 x 80 ft. garage, brick, stone, concrete and steel. $40,000. Private plans.

Ill., Watseka—Fanyo Garage Co. plans 1 story garage, brick, stone, concrete and steel. $40,000. Architect not selected.

Wis., Milwaukee—Leiser & Holst, archts., 105 Wells St., open bids about March 13, 5 story, 50 x 150 ft. film storage plant, brick and concrete, concrete and wood pile foundation, 4th St., for J. B. Olinger, 194 3rd St. $80,000.

Wis., Omro—A. J. Ihrke plans 2 story, 60 x 90 ft., brick and concrete garage, plain foundation. $40,000. Architect not selected.

Wis., Watertown—Klinger & Mayer Co., 200 1st St., plans 1 story, 104 x 120 ft., brick and concrete garage, plain foundation. $45,000 to $50,000. Architect not selected.

Kan., McPherson—Pioneer Motor Co. having plans prepared by C. W. Shaver, archt., 159 North Santa Fe St., Salina, 1 story, 75 x 140 ft., brick, stone, steel and rein.-con. garage. $50,000.

Neb., Lincoln—Bd. Educ. plans 1 story high school shop. $125,000. Fiske & McGinnis, 533 Bankers Life Bldg., archts.

Tex., Arlington—J. P. King and J. Davis are promoters of company which had plans prepared for 30 ton ice manufacturing plant. $40,000.

Wash., Aberdeen—Union Oil Co. plans large warehouse and 4 tanks, 20,000 gal. capacity each. $200,000-$250,000.

Cal., San Francisco — Collins-Hencke Candy Co., 25 Beale St., plans 3 story, rein.-con. factory, on 130 x 135 ft. site, Folsom St. near 2nd St. Architect not selected.

Ont., Brampton—Pease Furnace Co. plans to rebuild plant recently destroyed by fire. Loss $150,000. Prices wanted on equipment.

BIDS DESIRED

N. Y., Albany—March 20, by H. Rogers, archt., 443 Bway., 3 story, 74 x 122 ft., rein.-con. and brick garage, Chapel and Orange Sts., for W. W. Farley, 79 Chapel St. $100,000.

Pa., Phila.—March 15, by Ballinger Co., archts., 12th and Chestnut Sts., 7 story, 57 x 61 x 119 x 220 ft. rein.-con. and steel factory, concrete pile foundation, Arch St. and Delaware Ave., here, for J. B. Van Sciver Co., Market St. Ferry, Camden, N. J. $600,000.

Pa., Phila.—March 22, by Neubauer & Supowitz, archts., 929 Chestnut St., 3 story, 50 x 89 ft. rein.-con., brick and steel warehouse, plain foundation. $150,000. Owner's name withheld.

Pa., Phila.—Turner Constr. Co., engrs., 1713 Sansom St., receiving bids 6 story, 117 x 125 ft. rein.-con. and steel factory, plain foundation. $500,000. Owner's name withheld.

O., Cleveland—Perfection Tire & Repair Co., 3618 West 25th St., taking bids 1 story, 40 x 52 ft., brick and steel garage, plain foundation, Archwood and West 25th Sts. $40,000. J. L. Cameron, 10406 Euclid Ave., archt.

Ind., Ft. Wayne—Day & Zimmerman, engrs., 608 Chestnut St., Phila., receiving bids automobile factory, power house and

Industrial Works (Continued)

office building, here, for International Harvester Co., 114 West Wayne St. $500,000.

Ill., Danville—March 14, by Aschauer & Waggoner, archts., Citizens' Bank Bldg., Decatur, 1 story, garage and heating plant, brick, stone, rein.-con. and steel, here, $50,000. Owner's name withheld. Noted Mar. 2.

Wis., Milwaukee—H. J. Esser, archt., 82 Wisconsin St., receiving bids 2 story, 65 x 160 ft. and 70 x 100 ft., mill construction factory and storage plant, plain foundation, Park St., for Interior Woodwork Co., 521 Park St.

Minn., St. Paul—March 20 by G. J. Kramer, 487 Aurora Ave., 1 story, 125 x 127 ft., rein.-con. and brick garage, University and Farrington Aves. $40,000. R. F. Palmer, Commercial State Bank Bldg., archt.

CONTRACTS AWARDED

Conn., Hartford—Buck & Sheldon, Inc., archts. and engrs., 60 Prospect St., 1 story, 50 x 250 ft., brick, steel and concrete addition to plant, plain foundation, Wellington Ave., to Lawrence & Coe Constr. Co., 372 Trumbull St., for Bush Mfg. Co., 77 Commerce St. Noted Feb. 23.

Conn., New Haven — Amer. Steel and Wire Co., 238 Fairmount Ave., will remodel and build 1 story, 25 x 90 ft., rein.-con., brick and steel addition, Fairmount Ave., by day labor. $40,000.

Conn., Wallingford—Wallingford Steel Co. will build plant incl. 1 story, 100 x 130 ft. brick and steel, 1 story, 40 x 100 ft. metal sheathed and 1 story, 25 x 100 ft., timber building, plain foundations, by day labor. $60,000

N. Y., Olean—Vacuum Oil Co., boiler house, transil oil building and loading platforms, drum preparation building, drum storage building, kiln building, clay storage and filter building, color tank building and pump house, rein.-con., brick and steel, to White Constr. Co., Inc., 95 Madison Ave., New York, $1,000,000; fixed fee basis.

N. Y., Poughkeepsie—Advance Boiler Co., 1 story, 100 x 300 ft., brick and steel foundry, plain foundation, to H. K. Ferguson Co., 6523 Euclid Ave., Cleveland. $100,000.

N. J., Newark—Eastern Steel & Wire Co., brick, concrete and steel factory, plain foundation, Evergreen Ave. near Frelinghuysen Ave., to Amer. Concrete Co., 27 Clinton St. $300,000.

N. J., Trenton—Sunco Co., New York Ave., 1 story, 30 x 70 ft., brick and timber warehouse, 2 concrete tank foundations, etc., to Karno-Smith Co., Broad St. Bank. $50,000.

Pa., Phila.—Barrett Co., 36th and Grays Aves., 1 story, 55 x 113 ft. and 60 x 100 ft. brick and steel shops, plain foundation, 36th and Grays Aves., to R. A. Robinson, Parker and Umbria Sts.

Pa., Phila.—Phila. Steamboating Co., Juniper and Cherry Sts., 2 story, 51 x 123 ft. shop and office building, rein.-con., brick and steel, plain foundation, 3318-3322 Lancaster Ave., to G. H. Evans Inc., 109 North 15th St. Noted Dec. 29.

Pa., Venice—Gilmore Coal Co., Oliver Bldg., Pittsburgh, 1 story, 32 x 93 ft. power house, here, to Pihl & Miller, Wabash Bldg., Pittsburgh. $50,000.

Pa., Wilkes-Barre — Eastern Pennsylvania Supply Co., 56 South Pennsylvania Ave., altering present warehouse and building 6 story, 31 x 142 ft. brick and steel warehouse, to Turner Constr. Co., 244 Madison Ave., New York.

O., Cleveland—Brooklyn Ice Co., 3323 Henniger Rd., 1 story, 35 x 100 ft. ice plant, brick and steel, plain foundation, 3307 Henniger Rd., to F. A. Skeel Constr. Co., 3719 Cyprus Ave. $40,000.

O., Cleveland—H. Soeder & Sons Co., 1635 East 38th St., 2 story, 48 x 105 ft. dairy plant, brick and timber, plain foundation, 1649 East 39th St., to J. Lang, 3323 Payne Ave., $40,000.

O., Dayton—Terminal Ice & Cold Storage Co., H. J. Brenner, pres., c/o B & C Baking Co., 233 Clinton St., portion of 8 story, 135 x 150 ft., refrigerating and cold storage plant, rein.-con. and brick, Eaker and Ludlow Sts., to J. Boren & Sons Co., Louie and Columbia Sts., $85,000. Noted Feb. 2.

O., West Carrollton—Amer. Envelope Co., 2 story paper mill brick and concrete, to G. Hicks, South Charleston, $75,000.

Ill., Sterling—E. L. Reed Mfg. Co., 10 South Mill St., 3 story, 40 x 90 ft., rein.-con., brick, steel and stone factory, to T. A. Ramsdell, Rock Falls. $500,000.

Wis., Madison—J. A. Brady, 219 East Washington Ave., general contract 1 story, 61 x 127 ft., brick and rein.-con. garage, plain foundation, Park St., to G. C. Cnare & Son, 2000 Jenifer St. $40,000.

Wis., Milwaukee—P. Hirt, 1717 Vliet St., will build 2 story, 30 x 100 ft., concrete garage, plain foundation, 16th St., by day labor. $40,000. Private plans.

Wis., Watertown—The Klinger Buick Co., 212 South 1st St., general contract, 1 story, 56 x 100 ft., brick and rein.-con. garage and repair shop, plain foundation, 3rd and Jefferson Sts., to P. Krause, Jefferson and 6th Sts. $40,000.

Wis., Wausau—Levenhagen Dairy Co., 612 3rd St., general contract 2 story, 75 x 95 ft., dairy, brick, rein.-con. and steel, plain foundation, Washington St., to C. Hackbarth, 314 Bridge St. $45,000.

Ia., Davenport—L. H. Hass, 2103 Greenwood Ave., and C. L. Kruse, 3 story, 26 x 120 ft., bakery and office, concrete and brick, 3rd and Brady Sts., to J. Soller & Son, 337 Masonic Temple. $75,000.

Mo., Columbia—University of Missouri, 1 story power house and heating plant, to Collins Bros., 536 Rialto Bldg., Kansas City, $150,000. Noted Feb. 2.

Cal., Berkeley—Students Express and Transfer Co., 2750 Adline St., 4 story, rein.-con. storage warehouse, Shattuck Ave. and Ward Sts., to Barrett & Hilp, 918 Harrison St., San Francisco, $55,386.

Cal., Burbank—Amer. Aluminum Metal Products Co., 1 story factory, incl. 7 connected buildings, brick, concrete foundations, to R. W. McCrea, 1124 Santa Ana St., South Gote, $88,000. Noted Aug. 11.

Cal., El Cerrito—Great Western Power Co., 14 Sansome St., San Francisco, 2 story, rein.-con. and steel sub-station, here, general contract to Barrett & Hilp, 918 Harrison St., San Francisco, $125,000; steel to Pacific Rolling Mills, 17th and Mississippi Sts., San Francisco.

Cal., Fresno—Dolson & Anderson, Inc., 902 Bush St., San Francisco, 3 story rein.-con., garage and store building, 1215 Bway., here, to F. H. Masow, 1932 Hyde St., San Francisco, $50,000.

Buildings

PROPOSED WORK

N. H., Laconia—High School—Bd. Educ. having plans prepared by P. S. Avery, archt., 99 Chauncy St., Boston, and takes bids about April 1, 2 story, 123 x 164 ft., brick and steel, plain foundation, Union Ave. $400,000.

Me., Ft. Fairfield—High School—School Bd. plans 2 story high school. $150,000. Architect not announced.

Mass., Boston—Apartment—M. Bronstein, 68 Charles Gate East, plans 5 story, brick and stone, Audubon Rd. $160,000. Private plans.

Mass., Boston — Bank and Office — Boston Five Cent Savings Bank, School St., plans 10 story, School St. Architect not selected.

Mass., Boston — Office — Park Sq. Real Estate Trust having plans prepared by Dinsmore & LeClear, archts., 88 Broad St., 11 story, 75 x 600 ft., steel, limestone, brick and concrete, Arlington and St. James Sts. $6,000,000.

Mass., Easthampton — High School — School Comn. plans 2 story, brick and steel. $200,000. Architect not selected.

Mass., Holyoke—Church, etc.—Perpetual Help Roman Catholic Church, 51 Fountain St., having revised plans prepared by L. J. Caron, archt., Nicolet, Que., Can., 1 story, 70 x 184 ft. brick and sandstone church, 3 story brick and steel school, brick and steel convent and brick rectory, Elm, Chestnut and Hampshire Sts. $500,000. Noted July 14.

Mass., Holyoke — Hospital — House of Providence, 679 Dwight St., plans modern structure, Dwight St. $150,000. Architect not selected.

Mass., Holyoke — Office — Hadley Falls Trust Co. had sketches made by G. B. B. Alderman & Co., Holyoke, and Putman & Cox, 114 State St., Boston, 8 or 10 story, 50 x 100 ft., brick and steel, plain foundation, High and Appleton Sts. $500,000. Architect not selected.

Mass., Palmer—High School—Bd. Educ. having plans prepared by E. C. and G. C. Gardiner, archts., 33 Lyman St., Springfield, and takes bids about April 1, 2 story, 100 x 150 ft., brick and steel, plain foundation. Converse St. $150,000. C. H. Hobson, chn.

Mass., Salem — High School — School Comn. plans 2 story, brick and steel addition. $250,000. Architect not selected.

Mass., Springfield—Apartment—M. Penn, 533 Dickinson St., having plans prepared by J. W. Foster, archt., 46 Narragansett St., 4 story, 95 x 100 ft., brick and stone, Hall St. $150,000.

Mass., Springfield—Church, etc.—Trinity-Grace Church Society plans brick and stone, plain foundation, Sumner Ave. $500,000. F. W. Adams, 35 Edwards St., pastor. Allen & Collins, 40 Central St., Boston, archts.

Mass., Westfield—Community, etc.—T. A. B. Society, 14 Bartlett St., having plans prepared by M. B. Harding, archt., 33 Elm St., 3 story, 55 x 102 ft., concrete brick and steel, Bartlett St. $150,000.

Mass., Winchester—School Comrs. plan 2 story, brick. $151,000. Architect not selected.

R. I., Pawtucket—School—School Dept. plans additions to 2 schools. $300,000. Architect not selected.

Conn., New Britain—Theatre—S. Shurberg, 55 Franklin St., soon lets contract 1 story, brick and steel, plain foundation, Main St. $150,000. F. C. Walz, 407 Trumbull St., Hartford, archt. Noted Aug. 25.

Conn., New Haven — Apartment and Stores—F. Teitelman, 146 State St., having plans prepared by C. H. Abramowitz, archt., 42 Church St., 6 story, 65 x 75 ft., brick and concrete, Chapel and Park Sts. $150,000.

Conn., New Haven — Orphanage — New Haven Orphan Asylum, Elm St. and Edgewood Ave., having plans prepared by Norton & Townsend, archts., 839 Chapel St., several buildings, Whitneyville section. $150,000.

Conn., Torrington—School and Convent—Sacred Heart Roman Catholic Parish, 116 Grove St., having plans prepared by J. A. Jackson, archt., 185 Church St., New Haven, 2 story, 100 x 120 ft. school and 2 story, 50 x 65 ft. convent, brick and concrete, Grove St. Cost between $150,000 and $175,000.

Conn., Waterbury — Home — Southmayd Home, 73 Wilson St., having plans prepared by W. T. Arnold, archt., Hall & Lewis Bldg., Meridan, 2 story, brick and concrete, Boulevard. $150,000. Noted Feb. 23.

Conn., Waterbury—Office—Amer. Brass Co., Grand and Meadow Sts., having plans prepared by Trowbridge & Livingstone, archts., 527 5th Ave., New York, 2 story, 70 x 250 ft., brick and concrete addition, Meadow St., $150,000.

Conn., Winsted—Theatre—S. J. Mulcahey, Main St., plans 1 story, brick and concrete, Main St. $150,000. Architect not selected.

N. Y., Brooklyn — Synagogue — Putnam Ave. Temple and Brooklyn Synagogue of Eastern Parkway, Putnam Ave. near Reid Ave., plan brick and stone, plain foundation. $500,000. Architect and engineer not selected.

N. Y., Bronxville—Hospital—Lawrence Hospital having plans prepared by Bates & How, archts. and engrs., 35 West 39th St., New York, brick steel and stone addition, plain foundation. $200,000.

N. Y., Buffalo—Office—S. Weed and N. P. Clement, 39 Linwood Ave., plan 14 story, Genesee and Main Sts.

N. Y., Elmhurst (Flushing P. O.)—Apartment—Hall & Reid, archts. and engrs., 220 Bway., New York, soon take bids 5 story, brick, steel and stone, plain foundation, here. $250,000. Owner's name withheld.

N. Y., Jamestown—Temple—Jamestown Tent No. 9 Maccabees, having plans prepared by Johnson & Ford, archts., Jamestown, 5 story, stone and concrete, 3rd and Prendergast Sts. $150,000.

N. Y., Lowville—School—Bd. Educ. plans 3 story, brick, concrete and steel. Cost between $200,000 and $250,000.

N. Y., New York—Apartment—Ft. Tryon Holding Corp., c/o Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., had plans prepared 5 story, 100 x 150 ft., brick, steel and stone, plain foundation. 555 Ft. Washington Ave. $225,000.

N. Y., New York—Apartment—Three Thirty-Five Riverside Dr. Corp., c/o A. C. Bossom, archt. and engr., 680 5th Ave., soon lets contract brick, steel and stone, plain foundation, 108th St. and Riverside Dr. $500,000.

N. Y., New York—Apartment and Store—C. Mark Realty Co., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., soon lets contract 5 story, brick, steel and stone, plain foundation, St. Nicholas Ave. $350,000.

N. Y., New York—Hotel—Metropolitan Tabernacle, 3 West 95th St., having plans prepared by Carrere & Hastings, archts. and engrs., 52 Vanderbilt Ave., 17 story, brick, steel and stone, plain foundation. Bway. and 104th St. $1,500,000.

N. Y., New York — Office and Store — Seventeen John St. Corp., c/o Clinton & Russell, archts. and engrs., 100 Maiden

Buildings (Continued)

Lane, having plans prepared 10 story, brick, steel and stone top addition. $330,000.

N. Y., New York — School — Browning-Jones Realty Co., c/o Crow, Lewis & Wick, archts. and engrs., 200 5th Ave., having plans prepared 5 story, 33 x 100 ft., brick, steel and stone, plain foundation, 50-52 West 66th St. $200,000.

N. Y., Syracuse—Terminal—G. Winslow, pres. Unity Bus Line, plans terminal. $250,000. Architect not selected.

N. J., Camden — Church — Westminster Presbyterian Church, 3515 Merrill St., having plans prepared by Lockey & Hettler archts, 5 Hudson St., 2 story, cut stone, 36th and Merrill Sts. $150,000.

N. J., Millville—High School—Bd. Educ. plans high school. $250,000. N. Corson, 26 High St., secy.

Pa., Carnegie—School—Bd. Educ. had plans prepared by F. McC. Crooks, archt., 541 3rd Ave., Pittsburgh, altering and building 2 story addition. $150,000. Noted Dec. 15.

Pa., Phila. — Apartment — A. Shapiro, Land Title Bldg., takes bids early this year, 4 story, 115 x 250 ft. brick and steel, plain foundation, 47th and Walnut Sts. $500,000. Architect not selected.

Pa., Phila.—Office—L. Cahan, St. James Hotel, 13th and Walnut Sts., takes bids early in spring, 15 story, 28 x 230 ft. rein.-con., brick, steel and limestone, plain foundation, Walnut and Juniper Sts. $1,000,000. Architect not selected.

Pa., Phila.—Store and Office—R. Beard, archt., 2120 North Lambert St., preparing plans and soon takes bids 5 story, 18 x 166 ft. rein.-con., brick and steel, plain foundation, 237 Market St. $175,000. Owners name withheld.

Md., Baltimore — Apartment — H. Brady and associates, 1006 North Calvert St., having plans prepared by Milburn, Heister & Co., archts., 710 14th St., Wash., D. C., 5 story, brick and stone. $800,000.

Md., Baltimore—Hotel—I. Silberstein and others, Equitable Bldg., plan 11 story, 48 x 144 ft., brick and steel, Paca and Fayette Sts. $600,000. Architect not selected.

D. C., Wash. — Apartment-Hotel — H. Wardman, archt. and owner, 1430 K St., plans 500 room hotel. $1,000,000.

Va., Petersburg — High School — City Council plans high school. H. S. Seward, chn. School Bd.

W. Va., Charleston—Lodge—Knights of Columbus, Council 771, 208 Capitol St., plan 5 or 6 story. $200,000. A. P. Hudson, 1566 Washington St., pres.

W. Va., Huntington—Hotel—Huntington Market Syndicate, c/o J. E. DeCillis, Huntington, having plans prepared by J. J. West, archt., Huntington, 6 story, 70 x 200 ft. addition, 6th Ave. $250,000.

W. Va., Oak Hill—Bank—Oak Hill Natl. Bank soon lets contract 3 story, 60 x 90 ft. $150,000. L. J. Dean, 6 and 7 Foster Bldg., Huntington, archt.

W. Va., Wierton—High School—Bd. Educ., c/o D. M. Shakey, pres., Holidays Cove, having plans prepared by Peterson & Clarke, archts., Steubenville, O., 2 story, high school. Plans to vote on $150,000 bonds. Noted Feb. 23.

N. C., Chapel Hill—Church—Methodist Denomination plan church, Gothic type. $175,000. M. T. Plyler, Durham, chn. building com. Architect not selected.

N. C., Charlotte—Temple—Oasis Temple having plans prepared by C. C. Hartman, Greensboro and W. H. Peeps, Charlotte, archts., for temple. $400,000. F. Randolph, Asheville, chn. building com.

N. C., Hickory—Hotel—G. F. Ivey and others forming stock company and plan to build hotel. $250,000. F. B. Simpson, 110 East Lane St., Raleigh, archt.

N. C., Raleigh—Schools—April 4, to vote on $1,000,00 bonds for new schools.

Fla., Orlando—Hotel—E. A. Holaday and associates plan 4 story, 100 x 175 ft., concrete and brick, Magnolia St. $250,000.

Tenn., Memphis—Club and Office—Al Chymia Temple Mystic Shrine, 2nd St., conducting campaign to raise $500,000 for 10 story, 50 x 150 ft., rein.-con., Front and Monroe Sts. J. A. Fowler, chn. building com. Architect not selected.

Ky., Owensboro—High School—Having plans prepared by A. F. Hussander, archt., 25 North Dearborn St., Chicago, high school and addition to grade school. $300,000.

O., Canton—Business and Lodge—B. P. O. E. plans 8 story, 66 x 110 ft., Tuscarawas St. W. $500,000-$750,000. C. A. Booth, secy.

O., Cincinnati—Hospital—Bethesda Hospital, Oak St. and Reading Rd., plans surgical hospital, Reading Rd. $300,000. Architect and engineer not selected.

O., Cleveland—Apartment—J. S. Adams and E. B. Thomas, 1012 Natl., City Bldg., are forming company and having plans prepared by S. H. White, archt., Schofield Bldg., 3 story, 130 x 210 ft., brick, steel and concrete, plain foundation, Shaker Blvd. and East 127th St. $300,000.

CEMENT—WISCONSIN

Bids were opened Feb. 28 by State Highway Comn., Madison, for cement for Federal Aid construction, from (A) Universal Portland Cement Co., 210 South LaSalle St., Chicago; (B) Lehigh Portland Cement Co., Conway Bldg., Chicago; (C) Sandusky Cement Co., Engineers Bldg., Cleveland; (D) Alpha Portland Cement Co., 140 South Dearborn St., Chicago. Price per barrel delivered, including charge for bags (40c per bbl.). Discount of 10c per barrel allowed for payment within ten days from date of invoice. The unit bids of the principal four bidders mentioned above were as follows:

Federal Aid Project No.	Destination	Barrels	A Freight from Mill		B Freight from Mill		C Freight from Mill		D Freight from Mill	
271	Abrams	294	$0.59	$2.55	$0.65	$2.55	$0.65		$0.65	$2.55
279	Adams	241	.59	2.49	.59	2.49	.59		.59	2.49
304	Allenton	17,500	.51	2.47	.57	2.47	.53	2.47	.57	2.47
270	Alma	1,600	.59s	2.57	.53m	2.55	.61	2.55	.65	2.55
294	Aniwa	180	.61	2.55	.65	2.55	.65		.65	2.55
277	Arcadia	600	.61	2.57	.57m	2.57	.61	2.57	.67	2.57
293	Argyle	540	.55	2.45	.51	2.41	.45	2.41	.51	2.41
290	Ashland	350	.42s	2.47		2.57				2.68
1,018	Bayfield	900	.44s	2.49		2.58				2.72
138	Bear Creek	8,492	.57	2.51	.61	2.51	.59	2.51	.61	2.51
221	Belmont	1,030	.53	2.43	.51	2.41	.45	2.41	.51	2.41
305	Beloit	10,650	.46	2.36	.46	2.36	.42	2.36	.46	2.36
294	Birnamwood	306	.61	2.55	.65	2.55	.65		.65	2.55
214	Black River Falls	300	.61	2.55	.57m	2.55	.59	2.55	.65	2.55
300	Black River Falls	500	.61	2.55	.57m	2.55	.59	2.55	.65	2.55
156	Blue Mounds	230	.53	2.45	.55	2.45	.51	2.45	.55	2.45
1,017	Boscobel	610	.57	2.49	.53m	2.49	.53	2.49	.59	2.49
	Boscobel	435	.57	2.49	.53m	2.49	.53	2.49	.59	2.49
141	Boscobel	145	.57	2.49	.53m	2.49	.53	2.49	.59	2.49
298	Bridgeport	600	.59	2.49	.49m	2.47	.53	2.47	.57	2.47
106	Bridgeport	750	.59	2.49	.49m	2.47	.53	2.47	.53	2.47
285	Brown Deer	7,200	.49	2.47	.57	2.47	.53	2.47	.57	2.47
264	Cameron	700	.46s	2.51	.72	2.51	.67		.72	2.62
287	Carter	286		2.58		2.58				2.58
138	Clintonville	7,000	.57	2.51	.61	2.51	.59	2.51	.61	2.51
283	Coloma	270	.61	2.49	.59	2.49	.57	2.49	.59	2.49
1,011	Cornell	1,239	.51s	2.56	.61m	2.56	.67		.68	2.58
263	Couderay	1,500	.51s	2.56	.67m	2.57	.72		.74	2.64
1,016	Darlington	300	.51	2.41	.49	2.39	.43	2.39	.49	2.39
112	Deerfield	600	.51	2.41	.51	2.41	.48	2.41	.51	2.41
180	Dodgeville	165	.55	2.45	.53	2.43	.48	2.43	.53	2.43
306	Durand	115	.57s	2.58	.57m	2.57	.65	2.57	.67	2.57
289	Durand	195	.57s	2.58	.57m	2.57	.65	2.57	.67	2.57
234	Ellsworth	770	.57s	2.62	.57m	2.62	.72		.74	2.64
267	Ellsworth	473	.57s	2.62	.57m	2.62	.72		.74	2.64
1,014	Ellsworth	417	.57s	2.62	.57m	2.62	.72		.74	2.64
308	Ellsworth	420	.57s	2.62	.57m	2.62	.72		.74	2.64
292	Elton	151		2.57		2.57				2.57
268	Exeland	500	.46s	2.51	.65m	2.55	.67		.72	2.62
299	Fennimore	340	.57	2.47	.57	2.47	.53	2.47	.57	2.47
206	Florence	590	.67	2.62	.72	2.62	.72		.72	2.62
265	Frederic	750	.46s	2.51	.57m	2.51	.74		.80	2.70
187	Grandview	400	.44s	2.49		2.57				2.70
285	Granville	10,300	.48	2.43	.53	2.43	.53		.53	2.43
	Gratiot	420	.51	2.41	.49	2.39	.42	2.39	.49	2.39
223	Gilbert	173	.57s	2.58	.67m	2.58	.68		.68	2.58
272	Gillett	206	.59	2.55	.65	2.55	.61		.65	2.55
1,014	Jager City	342	.57s	2.58	.57m	2.58	.67		.68	2.58
309	Hammond	270	.53s	2.58	.53m	2.58	.68		.74	2.62
189	Holcombe	658	.51s	2.56	.61m	2.56	.67		.68	2.58
302	Humbird	580	.61	2.55	.61m	2.55	.65	2.55	.65	2.55
303	Humbird	439	.61	2.55	.61m	2.55	.65	2.55	.65	2.55
223	Irma	345	.57s	2.58	.67m	2.58	.67		.68	2.58
215	Jefferson	5,200	.51	2.41	.51	2.41	.48	2.41	.51	2.41
152	Knapp	260	.57s	2.62	.57m	2.62	.67	2.62	.72	2.62
1,009	Koepenick	231		2.57		2.57				2.57
112	London	3,100	.51	2.41	.51	2.41	.47	2.41	.51	2.41
259	Marinette	8,350	.61	2.57	.67	2.57	.65	2.57	.67	2.57
280	Mauston	198	.57	2.49	.59	2.49	.53	2.49	.59	2.49
310	Medford	834	.53s	2.58	.67m	2.58	.65	2.58	.68	2.58
1,015	Medford	144	.53s	2.58	.67m	2.58	.65	2.58	.68	2.58
269	Medina	16,950	.57	2.49	.59	2.49	.57	2.49	.59	2.49
152	Menomonie Jct.	795	.57s	2.58	.57m	2.58	.67	2.58	.68	2.58
168	Merrill	400	.57s	2.58	.65m	2.58	.65	2.58	.68	2.58
149	Minong	600	.42s	2.47	.61m	2.51	.72		.74	2.64
214	Millston	300	.61	2.55	.57m	2.55	.59	2.55	.65	2.55
180	Mineral Point	370	.53	2.43	.49	2.39	.44	2.39	.49	2.39
	Mineral Point	300	.53	2.43	.49	2.39	.44	2.39	.49	2.39
156	Mt. Horeb	400	.53	2.45	.55	2.45	.51	2.45	.55	2.45
280	New Lisbon	300	.57	2.49	.57m	2.49	.53	2.49	.59	2.49
291	Odanah	1,200	.44s	2.49	.67m	2.57	.78		.78	2.68
178	Odanah	400	.44s	2.49	.67m	2.57	.78		.78	2.68
297	Ogema	285	.53s	2.58	.67m	2.58	.67		.68	2.58
1,013	Osseo	345	.59s	2.57	.65m	2.57	.65	2.57	.67	2.57
259	Peshtigo	7,000	.59	2.55	.65	2.55	.65		.65	2.55
307	Portage	600	.53	2.43	.53	2.43	.49	2.43	.53	2.43
239	Readstown	1,350	.61	2.51	.57m	2.51	.59	2.51	.61	2.51
243	Readsburg	1,000	.57	2.47	.57	2.47	.51	2.47	.57	2.47
239	Richland Center	490	.57	2.49	.57m	2.49	.51	2.49	.59	2.49
274	Sawyer	6,980	.61	2.57	.67	2.57	.67		.67	2.57
304	Slinger	10,300	.49	2.43	.53	2.43	.53		.53	2.43
273	South Madison	8,000	.51	2.41	.51	2.41	.51		.51	2.41
256	Sparta	600	.59	2.51	.53m	2.51	.57	2.51	.61	2.51
1,010	Stanley	144	.61s	2.57	.61m	2.56	.65		.67	2.57
301	Stanley	443	.61s	2.57	.61m	2.56	.65		.67	2.57
275	Sturgeon Bay	10,008	.61	2.57	.67	2.57	.67		.67	2.57
288	Theresa	9,700	.51	2.47	.57	2.47	.53	2.47	.57	2.47
1,008	Thorp	144	.51s	2.56	.65m	2.56	.65		.67	2.57
284	Vesper	12,000	.61	2.55	.59m	2.55	.59	2.55	.65	2.55
136	Viroqua	10,700	.65	2.55	.57m	2.51	.59	2.51	.61	2.51
300	Waukesha	12,000	.48	2.43	.53	2.43	.51	2.43	.53	2.43
281	Wausau	13,530	.61	2.55	.61m	2.55	.65		.65	2.55
268	Wauwautosa	12,600	.48	2.43	.53	2.43	.53		.53	2.43
106	Wauzeka	750	.57	2.47	.49m	2.47	.53	2.47	.57	2.47
286	West Allis	19,500	.48	2.43	.53	2.43	.53		.53	2.43
276	Westby	200	.61	2.51	.57m	2.51	.59	2.51	.61	2.51
174	Weyerhauser	700	.49s	2.54	.61m	2.54	.68		.72	2.62
282	Woodruff	635	.53s	2.58	.72	2.62	.68		.72	2.62

s=Steelton Mill. m=Mason City Mill.

Buildings (Continued)

O., Cleveland—Church—First Methodist Church, Euclid Ave. and East 30th St., having plans prepared by Meade & Hamilton, archts., 1002 Natl. City Bldg., 2 story, brick, steel and concrete addition, plain foundation. $250,000.

O., Cleveland—Commercial and Club—W. S. Lougee, archt., 500 Marshall Bldg., opens bids about March 15, 3 story, 51 x 122 ft., brick, steel and concrete, plain foundation, 1393 East 12th St., for East 12th Co., c/o W. B. Gongwer, Federal Bldg. $150,000.

O., Cleveland—Commercial and Market—J. C. Williams, 12431 Castlewood Ave., having plans prepared 2 story, 50 x 147 ft. and 80 x 80 ft., brick, steel and concrete, plain foundation, East 123rd St. near Superior Ave. $150,000. Private plans.

O., Cleveland—Commercial and Office—G. Zellers, Jr., 5803 Woodland Ave., having plans prepared by W. S. Ferguson Co., archts., 1900 Euclid Ave., 8 story, 44 x 119 ft., brick, steel and concrete, plain foundation, 1765 East 12th St. $250,000.

O., Cleveland—Store and Apartment—C. B. Grundstein, 1614 Superior Rd., opens bids about March 15, 2 story, 100 x 120 ft., brick and timber, plain foundation, Hayden Ave. near Woodworth Rd. $150,000. A. F. Janowitz, Permanent Bldg., archt.

O., Cleveland—Store and Office—S. S. Kresge Co., Kresge Bldg., Detroit, Mich., having plans prepared by Walker & Weeks, archts., 1900 Euclid Ave., 4 or 6 story, 50 x 99 ft., brick, steel and concrete, plain foundation, East 4th St. and Euclid Ave., here. $250,000.

O., Cleveland Heights (Cleveland, P. O.)—Apartment—L. Cadkin, 3298 East 117th St., Cleveland, having plans prepared by M. Altschuldt, archt., 5116 Woodland Ave., Cleveland, 3 story, 60 x 110 ft., brick and timber, plain foundation, Lennox Rd., here. $150,000.

O., Cleveland Heights (Warrensville, P. O.)—City Hall, etc.—City having preliminary plans prepared by W. R. Powell, archt., Rose Bldg., Cleveland, 2 story, brick, steel and concrete, plain foundation, Mayfield Rd. $175,000.

O., Columbus — Auditorium — Masonic Temple Assn., North 4th St., plans large auditorium, 7,000-10,000 seating capacity, West Long and Wall Sts. Cost to exceed $500,000. Architect not selected.

O., Columbus—Hotel—I. L. Oppenheimer, Louisville, Ky., having sketches made by F. L. Packard, archt., New Hayden Bldg., for Victory Hotel, 12 story, 74 x 84 ft., West State St., here. $400,000.

O., Columbus—School—Bd. Educ., Town and High Sts., having plans prepared by H. D. Smith, archt., 50 East Town St., 2 wing addition, 2 story, brick and concrete, 11th Ave. $175,000.

O., East Cleveland (Cleveland, P. O.)—School, etc.—Bd. Educ. having plans prepared by Cavanaugh & Baer, archts., 2725 Prospect Ave., Cleveland, 1 story, 65 x 200 ft. and 75 x 80 ft., school and power house, brick, steel and concrete, plain foundation, Caledonia Ave. $150,000. Noted Feb. 23.

O., Euclid—High School—Bd. Educ. having plans prepared by Knox & Elliott, archts., Engineers Bldg., Cleveland, 2 story, brick, steel and concrete addition, plain foundation, Stop 10. $150,000.

O., Euclid—High School—Bd. Educ. having plans prepared by W. H. Nicklas, archt., 1900 Euclid Ave., Cleveland, 2 story, brick, steel and concrete addition, plain foundation, Bliss Rd. $150,000.

O., Lakewood, (Cleveland, P. O.)—Apartment—P. M. Platten, 348 B. of L. E. Bldg., Cleveland, having plans prepared by J. L. Cameron, archt., 10406 Euclid Ave., Cleveland, 4 story, 150 x 210 ft., brick and steel, plain foundation, Detroit and Giel Aves., here. $300,000.

O., New Washington—School—Bd. Educ. having plans prepared by F. Jacobs, archts., Marion, 2 story, 102 x 140 ft., brick and concrete. $200,000.

O., Niles—Temple—R. J. Keich, archt., 905 Western Reserve Bldg., Warren, soon lets contract 4 story, 51 x 126 ft., brick, steel and concrete, plain foundation, here, for Masonic Temple Building Co. $200,000.

O., Sebring—School—Bd. Educ. to sell $150,000 bonds April 1, remodeling and building 2 story addition. W. G. Eckles, Lawrence Savings & Trust Bldg., New Castle, Pa., archt.

O., Steubenville—Theatre—G. Shafer, c/o Victoria Theatre, plans theatre. $300,000. F. F. Farris, Wheeling Steel Bldg., Wheeling, W. Va., archt.

O., Warren—Theatre—Robins Enterprise Co. having plans prepared by C. H. Crane, archt., Huron Bldg., Detroit, and Queen & Goldston, associated archts., Akron, 6 story, 75 x 200 ft., East Market St. $300,000.

Ind., Anderson—Home—Comrs. Madison Co. and Bd. of Children's Guardians plan 2 story, brick. $150,000. Architect not selected.

Ind., Ft. Wayne—Apartment—Progressive Investment Co., c/o Chamber of Commerce, plans brick apartment. $150,000. Architect not selected.

Ind., Indianapolis—Apartment—Jefferson Apartment Hotel Co., c/o E. G. Spink, 914 Hume Mansur Bldg., plans 6 story, 50 x 140 ft., concrete and brick, 230 East Pratt St. $355,000. Private plans.

Ind., Indianapolis — Church — Methodist Episcopal Congregation, c/o F. Hoke, chn., 3545 Washington Blvd., plans brick or stone, Maple Rd. Blvd. and Meridian St. $250,000. Architect not selected.

Ind., Indianapolis — Office — Indianapolis Real Estate Bd., 128 North Delaware St., plans 22 story, brick and steel. $1,000,000. J. S. Cruse, chn. Architect not selected.

Ind., Indianapolis—Store—O. H. Klingstein, 216 North Delaware St., plans 5 story, 45 x 105 ft., brick, 321 North Alabama St. $250,000.

Ind., Muncie — Science Hall — Indiana State Normal School having revised plans prepared by C. Kibele, archt., 335 Johnson Bldg., 2 story, 80 x 160 ft., brick. $250,000. Noted Dec. 8.

Ind., Richmond—Hospital—Bd. Trustees Tuberculosis Hospital having plans prepared by J. W. Miller, archt., Palladium Bldg., 3 story, 30 x 200 ft., brick. $150,000. J. Rupe, pres.

Ind., South Bend—Temple—Knights of Pythias plan 6 story, brick and stone. $500,000. Architect not selected.

Ind., Terre Haute—Office and Mercantile—E. and A. Ehrmann, 9½ St., plans 16 story, brick, 6th and Wabash Ave. $500,000. Architect not selected.

Mich., Jackson—Temple—Austin Co., engrs., 38 South Dearborn St., Chicago, making plans and soon take bids 3 story, rein.-con., brick and steel, Main and Park Sts., for Associated Traders, c/o D. Carpenter, 132 South Mechanic St. $175,000.

Mich., Springwells—School—Dist. 3 having plans prepared by Van Leyen, Schilling, Keough & Reynolds, archts., 3440 Cass Ave., Detroit, 2 story, rein.-con., brick and steel, plain foundation. $160,000.

Ill., Beardstown—High School—Bd. Educ. having plans prepared by M. J. Geist, archt., 6th and Main Sts., Quincy, 4 story, brick, rein.-con., and stone. $300,000. Noted Jan. 5.

Ill., Carbondale—Church—First Methodist Church, c/o J. D. Dill, 505 West Main St., having revised plans prepared by Boyer, Baum & Co., archts., 1307 Syndicate Trust Bldg., St. Louis, Mo., 2 story, 93 x 108 ft., brick and stone. $150,000. Noted April 21.

Ill., Chicago—Apartment—J. A. Nyden, archt., 190 North State St., soon receives bids 3 story, 100 x 105 ft., rein.-con., brick and steel, Frontier Ave. near Irving Park Blvd. $150,000. Owner's name wtihheld.

Ill., Chicago—Aquarium and Monkey House—Lincoln Park Comn., Lincoln Park, having plans prepared by Clark & Walcott, archts., 8 East Huron St., 1 story, 50 x 100 ft., rein.-con., brick and steel. $200,000. E. R. Pike, pres.

Ill., Chicago — Church — First English Evangelical Church, c/o Lowe & Bollenbacker, archts., 108 South La Salle St., plans 1 and 2 story, 36 x 90 ft. and 35 x 70 ft., rein.-con., brick and steel, Palmer Square. $150,000.

Ill., Chicago—Club—Chicago Yacht Club, 5147 Glenwood Ave., having plans prepared by Rebori, Wentworth & Dewey, Inc., archts., 332 South Michigan Blvd., 2 story, 60 x 80 ft., rein.-con., brick and steel, Lincoln Park. $250,000. Noted Aug. 18.

Ill., Chicago—Hotel—Holabird & Roche, archts., 104 South Michigan Ave., soon receive bids Stevens Hotel, 25 story, 173 x 402 ft., rein.-con., brick and steel, Michigan Blvd. between 7th and 8th Sts., for J. W. and E. J. Stevens, c/o Hotel La Salle. $15,000,000.

Ill., Chicago—Store and Office—J. E. Edmunds, c/o Broadway Realty Co., 5038 Bway., plans 3 story, 93 x 122 ft., rein.-con., brick and steel on Granville Ave. and Bway. $150,000. Architect not selected.

Ill., Chicago—Temple—King Oscar Lodge A. F. & A. M., c/o J. P. Friedland, 79 West Monroe St., plans 116 x 164 ft., rein.-con., brick and steel, Clark and Eugenie Sts. $300,000. Architect not selected.

Ill., Chicago—Y. M. C. A., 19 South La Salle St., plans 5 story, 127 x 140 ft., rein.-con., brick and steel, 53rd St. and Dorchester Ave. $400,000. Architect not selected.

Ill., Cicero—High School—High School Bd. plans 3 story, brick, steel, rein.-con. and stone addition. $200,000. Architect not selected.

Ill., Durand—High School—Bd. Educ. plans 3 story, rein.-con., brick, steel and stone. $150,000. L. Birdsall, secy. Architect not selected.

Ill., Jacksonville—Hospital—State Hospital, c/o local Bd. Officers, having plans prepared by E. A. Martin, archt., Capitol Bldg., Springfield, for Soldiers and Sailors Hospital, here, 2 and 3 story, rein.-con., brick, stone and steel. $150,000. R. W. Woolston, chn.

Ill., Jacksonville—Hotel and Store—Cloverleaf Casualty Co. having plans prepared by Puckey & Jenkins, archts., 6 North Michigan Ave., Chicago, 5 story, rein.-con., Brick and steel. $150,000.

Ill., McHenry—High School—Community High School Bd. having plans prepared by R. E. Abell, archt., Spurling Blk., Elgin, 2 story, brick, stone, rein.-con. and steel. $150,000. Noted Oct. 27.

Ill., Rockford—Store and Apartment—W. F. Van der Meer, archt., 215 Meade Bldg., preparing plans 5 story, 60 x 86 ft., brick, steel and stone. $150,000. Owner's name withheld.

Wis., Fond du Lac—High School—School Bd. plans to issue $275,000 bonds for 2 story (2nd unit), brick and concrete, plain foundation. Childs & Smith, 64 East Van Buren St., Chicago, archts.

Wis., Janesville—Hotel—McNeil Hotel Co., c/o Grand Hotel, 327 West Milwaukee St., having preliminary plans prepared by J. and E. J. Law, archts., Strand Theatre Bldg., Madison, 6 story, 46 x 130 ft., rein.-con. and brick, addition, plain foundation, High St. $300,000.

Wis., Kenosha—Hotel and Business—R. W. Wilson Co., 105 West Monroe St., Chicago, and Dayton Bros., Dale Blk., Kenosha, having preliminary plans prepared by W. H. Pruyn, Jr., archt., 122 South Michigan Ave., Chicago, 110 x 110 ft., brick and concrete, plain foundation, South Main and South Sts. $250,000-$300,000.

Wis., La Crosse—Church and Auditorium—First Church Christ Scientist, c/o C. Peggingill, 626 Cass St., having plans prepared by S. S. Beman, archt., 108 South La Salle St., Chicago, 2 story, 60 x 126 ft., brick, rein.-con. and stone, plain foundation, West and King Sts. $150,000.

Wis., Madison — Hotel — O. Cleveland, prop. Simon Hotel, Main and Butler Sts., having sketches made by E. Tough, archt., Conklin Bldg., 7 story, 56 x 99 ft., brick and steel, plain foundation, Main St. $150,000.

Wis., Milwaukee—Hotel—Clas, Shepherd & Clas, archts., 445 Milwaukee St., preparing preliminary plans 11 story, 75 x 120 ft., brick and rein.-con., plain foundation. Owner's name withheld.

Wis., Milwaukee—Temple—R. E. Oberst, archt., 307 Grand Ave., soon takes bids on superstructure, 2 story, 95 x 115 ft., brick and concrete, National Ave., for Excelsior Masonic Temple Assn. 110 Reed St. $150,000.

Wis., Neenah—Bank—Natl. Manufacturers Bank, 109 West Wisconsin Ave., soon takes bids 2 story, 60 x 90 ft., brick, concrete and stone, plain foundation. $150,000. Childs & Smith, 64 East Van Buren St., Chicago, archts. Noted Oct. 6.

Wis., Oshkosh—Store—Henderson-Hoyt Co., 85 Main St., having preliminary plans prepared by Auler & Jensen, archts., F. R. A. Bldg., 5 story, 100 x 113 ft., rein.-con., brick and terra cotta, plain foundation, Main St. $300,000.

Wis., Pulaski—High School—Bd. Educ. plans 2 story, 50 x 100 ft., brick and rein.-con., plain foundation. $150,000. S. A. Goske, clk. Architect not selected.

Wis., Racine — Church — St. Patricks Church, 1109 Douglas Ave., plans brick and stone, plain foundation, North Erie St. $150,000. W. McCarthy, pastor. Architect not selected.

Wis., Racine—Hospital—Florence Nightingale Society, 1340 College Ave., plans hospital. $150,000 to $200,000. Architect not selected.

Wis., Shawano — Hospital — Shawano County Memorial Hospital having plans prepared by E. M. Kolben, archt., Shawano.

Building. (Continued)

2 and 3 story, 80 x 150 ft., brick, tile and concrete, plain foundation. $150,000.

Ia., Mason City—Schools—Bd. Educ. having plans prepared by Croft & Boerner, archts., 1006 Marquette Ave., Minneapolis, Minn., two 2 story, rein.-con., brick, tile and stone. $150,000.

Minn., Mankato—School—State Bd. Control, St. Paul, having plans prepared by C. H. Johnston, archt., 715 Capitol Natl. Bank Bldg., St. Paul, 3 story, rein.-con., brick, tile and stone, State Teachers College. $250,000. C. L. Pillsbury Co., 1200 2nd Ave. S., Minneapolis, engrs.

Kan., Atchison — Academy — Mt. St. Scholastica Academy, 8th and Eccher Sts., and E. Brielmaier & Sons, archts., 432 Bway., Milwaukee, soon take bids 4 story, brick and concrete, plain foundation. $600,000. Noted Nov. 17.

Kan., Stockton—High School—Bd. Educ. having plans prepared by Mann & Gerow, archts., Rorabaugh-Wiley Bldg., Hutchinson, 2 story, 114 x 135 ft., brick, stone, rein.-con. and steel. $185,000.

Mo., Kirksville—Demonstration, etc.—Northeast State Teachers College having plans prepared by R. H. Sanneman, archt., 519 Lee Bldg., Kansas City, 2 story, demonstration, auditorium and gymnasium. $287,000. Noted April 21.

Mo., University City — Apartment and Store—G. Sokol, 7069 Pershing Ave., St. Louis, having prepared 6 story, 100 x 100 ft., brick and concrete, Delmar St., here. $200,000. Private plans.

Wash., Seattle—Office—King Co. Dental & Medical Societies plan 12-15 story, $2,000,000. J. H. Snively, 607 Cobb Bldg., secy.

Cal., Berkeley—Gymnasium—Bd. Educ., City Hall, had plans prepared and soon takes bids 2 story, rein.-con. and brick, Grove, Milvia, Bancroft and Channing Ways. $150,000. W. C. Hays, 1st Natl. Bank Bldg., San Francisco, archt.

Cal., Colusa—High School—Colusa Union High School Dist. having plans prepared by W. H. Weeks, archt., 369 Pine St., San Francisco, for high school. $200,000.

Cal., Fresno—Offices—R. F. Felchlin Co., archts., Bank of Italy Bldg., preparing plans 8 story and part 1 story, 75 x 100 ft., Tulare and J. Sts. $600,000. Owner's name withheld.

Cal., Los Angeles—Loft—Starr Piano Co., c/o C. F. Plummer, archt., 1108 Story Bldg., having plans prepared 8 story, rein.-con., brick, steel and terra cotta, Hill St. near 7th St. $250,000.

Cal., Los Angeles—Office—Price & Paden, 506 Story Bldg., had plans prepared by L. A. Smith, archt., 804 Higgins Bldg., 12 story, 50 x 155 ft., rein.-con., brick and terra cotta, 8th and Spring Sts. $400,000.

Cal., Oakland—High School—Bd. Educ. had plans prepared and soon takes bids 2 and 3 story, rein.-con., on University High School site. $500,000. Constr. Dept. of Bd. Educ., Chabot Hall, 11th and Jefferson Sts., archts. C. W. Dickey, in charge.

Cal., Oakland—Theatre—Orpheum Theatre, Co., c/o G. A. Lansburgh, archt., 709 Mission St., San Francisco, soon takes bids theatre, Bway. near 19th St. $500,000.

Cal., San Francisco—Office—J. S. Morgan having plans prepared by M. V. Politeo, archt., 1st Natl. Bank Bldg., 6 story, concrete, brick and steel, Sutter and Taylor Sts.

Cal., Santa Barbara — High School — Santa Barbara High School Dist. having plans prepared by W. H. Weeks, archt., 369 Pine St., San Francisco, several high school buildings. $500,000.

Ont., Owen Sound—Business—G. S. Kilbourn plans to rebuild business block recently destroyed by fire. $300,000. Prices wanted on all materials.

BIDS DESIRED

Vt., Lyndon Centre—School—March 15, by Lyndon Institute, 2 story, 60 x 150 ft. and 70 x 95 ft. brick. $150,000. Larson & Wells, Hanover, N. H., archts.

Mass., Whitinsville — High School — March 14 by Bd. Educ., 2 story, 66 x 108 ft. brick. $150,000. Angell & Swift, 87 Weybosset St., Providence, R. I., archts.

Conn., Hartford—Apartment and Store—Herchman & Levin, 223 Main St., masonry contract 4 story, 75 x 120 ft. brick and steel, plain foundation, Main St., to W. T. Ryan & Son, 149 Barker St. Owner will let separate contracts. $150,000. Noted Jan. 19.

N. Y., Elmhurst (Flushing P. O.)—School—March 15, by C. B. J. Snyder, supt. School Buildings of Bd. Educ., Municipal Bldg., New York, P. S. 102, Van Horn St. between Lewis Ave. and Laconia St., here. Noted Feb. 23.

N. Y., New York—Apartment—Billings-Lee Holding Co., c/o J. F. Meehan and W. C. Martin, archts. and engrs., Times Bldg., Bway. and 42nd St., brick, steel and stone, plain foundation. Grand Concourse and 172nd St. $1,500,000. Work will be done by separate contracts. Noted Feb. 23.

Pa., Brownsville—Bank—March 20, by Natl. Deposit Bank, 7 story, 83 x 103 ft. bank. $450,000. Griswold Bldg. Co., 101 Park Ave., New York, archts.

Pa., Mt. Carmel—Theatre, Store and Office—March 15, by W. H. Lee, archt., 32 South 17th St., Phila., 3 story, 100 x 150 ft. rein.-con., brick and steel, plain foundation, here, for Chamberlain Amusement Co., 46 West Independent St., Shamokin. $250,000. Noted Feb. 23.

Pa., Phila.—Bank and Office—Hoffman-Henon Co., archts., Finance Bldg., receiving bids 2 story, 40 x 117 ft. rein.-con., brick, steel and stone, plain foundation, 1607 Walnut St. $150,000. Owners name withheld.

Pa., State College—Theatre—H. S. Bair, archt., Vandergrift Bldg., Pittsburgh, receiving bids 1 and 2 story, 68 x 115 ft., West College Ave., here, for M. Baum. $150,000.

Pa., Uniontown—Store—March 18, by A. Kahn, archt., 1,000 Marquette Bldg., Detroit, Mich., and H. N. Altman, associated archt., Uniontown, 8 story, 55 x 76 ft., Main and Gallatin Aves., here, for Aaron Co., Main St. Connellsville. $400,000. Noted Dec. 1.

Del., Wilmington—Convent—April 1, by R. A. Monaghan, archt., 1218 Chestnut St., Phila., 3 story, 62 x 130 ft., stone, plain foundation. $200,000. Owner's name withheld.

Md., Cumberland—School—March 22 by Bd. Educ., 1 story, 200 x 200 ft., Johnson Heights. $150,000. W. E. Sperry, pres. Holmboe & Pogue, Clarksburg, W. Va., archts.

Va., Richmond—Store—March 20, by Starrett & Van Vleck, archts., 8 West 40th St., New York, brick, steel and stone addition, plain foundation, 6th St., for Miller & Rhodes Co., Inc., 6th St. $1,000,000. Noted Feb. 9.

N. C., High Point—Bank and Office—March 13, by Commercial Natl. Bank, 10 story, 50 x 115 ft. $1,000,000. C. G. Hartman, 207 West Sycamore St., Greensboro, archt. and engr. Noted Oct. 20.

Tenn., Memphis—Office—March 20, by Hanker & Cairns, archts., Scimitar Bldg., 22 story, 75 x 75 ft., concrete, steel and terra cotta, Court Ave. and Maiden Lane, for R. B. Snowden, Bank of Commerce. Noted Sept. 29.

O., Canton — Church — March 18, by Howell & Thomas, archts., 4500 Euclid Ave., Cleveland, 1 story, 66 x 118 ft., brick, steel and stone, plain foundation, here, for St. Paul's Episcopal Church, Cleveland Ave. and 5th St., S. W. $150,000.

O., Cleveland — Apartment — Gometz & Neshkes, 2233 East 89th St., receiving bids and opens same about March 20, 4 story, 78 x 78 ft., brick and steel, plain foundation, East 78th St. and Hough Ave. $150,000. A. Sogg, 319 Hippodrome Bldg., archt.

O., Lancaster—Bank—March 14, by E. G. Matheny, archt., 906 1st Natl. Bank Bldg., Columbus, 3 story, 44 x 64 ft., brick, steel and concrete, plain foundation, here, for Fairfield Savings & Loan Co. $150,000.

O., Van Wert—School—March 14, by Bd. Educ., c/o J. W. Reese, Venedocia, 2 story, 77 x 117 ft., brick, steel and concrete, plain foundation, here. $150,000. T. D. McLaughlin, Savings Bldg., Lima, archt.

Ind., Crown Point—Sanitarium—April 3 by Comrs. Lake Co., 2 story tuberculosis sanitarium, incl. 75 x 125 ft., 80 x 110 ft. and 70 x 115 ft. buildings, brick. $260,000. J. W. Coleman, 3251 St. Lawrence Ave., Chicago, archt. Noted Feb. 2.

Mich., Ann Arbor—College—March 20, by S. W. Smith, c/o Bd. Regents University of Michigan, 3 story, rein.-con., brick, steel and stone addition, plain foundation, University Ave. $250,000. L. W. Fry, c/o owners, archt.

Mich., Detroit—School—March 17, by C. A. Gadd, business mgr. Bd. Educ., 2 story, 14 room, rein.-con., brick and steel addition, plain foundation, Nevada and St. Aubin Aves. $200,000. Malcomson, Higginbotham & Palmer, 405 Moffat Bldg., archts.

Mich., Grand Rapids—Church—Coolidge & Hodgson, archt., 134 South LaSalle St., Chicago, receiving bids 2 story, 90 x 102 ft. rein.-con., brick and steel, for Fountain St. Baptist Church, 438 Terrace St., E. $500,000. Noted Feb. 9.

Mich., Grosse Ile—School—March 15, by R. S. Spencer, dir. Bd. Educ., 2 story, rein.-con., brick and steel, plain foundation, East River Rd. $150,000. Malcomson, Higginbotham & Palmer, 405 Moffat Bldg., Detroit, archts.

Ill., Chicago—Apartment—A. S. Hecht, archt., 155 North Clark St., receiving bids 3 story, 150 x 208 ft., Paxton Ave. near 68th St., $275,000; 3 story, 150 x 280 ft., Paxton Ave. near 67th St., $275,000; 3 story, 100 x 150 ft. Blackstone Ave. and 56th St., $250,000, all rein.-con., brick and steel, for H. F. Bloom, c/o architect.

Ill., Chicago—Apartment—J. E. Smith, archt., 305 East 55th St., receiving bids 3 story, 131 x 133 ft., rein.-con., brick and steel. $175,000. Owner's name withheld.

Ill., Chicago—Apartment—Z. E. Smith, archt., 305 East 55th St., receiving bids 3 story, 30 x 108 ft., rein.-con., brick and steel, 1747-53 East 67th St., for Turnquist Bros., 217 East 69th St. $175,000.

Wis., Milwaukee — Mercantile — L. M. Gurda, archt., 470 Mitchell St., taking bids superstructure 3 story, 60 x 120 ft., brick and concrete, Lincoln Ave., for Branta & Rechlicz, 721 Lincoln Ave. $150,000.

Kan., Parsons—Auditorium and City Hall—March 24, 2 story, 100 x 140 ft., concrete, steel and brick. $150,000. F. W. Frye, clk. T. W. Williamson & Co., Central Natl. Bank Bldg., Topeka, archts. Noted Feb. 23.

Mo., Springfield—School—March 28, by Bd. Regents Southwest Missouri State Teachers College, 3 story, rein.-con. and stone. $250,000. E. Hawkins & Co., 400 McDaniel Bldg., archts.

Mo., Springfield—College—March 28, by Hawkins & Hoener, archts., McDaniel Bldg., 3 story, 90 x 230 ft., rein.-con., brick and stone, for State Teachers College, c/o C. M. Hill, pres. Pub. Regents. $250,000. Noted Nov. 3.

Mo., St. Louis—Church—April 1, by Wedemeyer & Nelson, archts., Wainwright Bldg., 2 story, 120 x 130 ft., brick, stone, steel and terra cotta, Natl. Bridge and Prairie Aves., for Sixth Church Christian Scientist, H. M. Birchler, chn. $250,000. Noted Nov. 17.

Mo., Warrensburg—Auditorium—March 15, by S. M. Hitt, archt., 573 Sheidley Bldg., Kansas City, 1 story, 112 x 178 ft., brick and stone, here, for Central Missouri State Teachers College, R. J. Grover, pres. $150,000. Noted Feb. 2.

Cal., Grass Valley—High School—March 20, by Trustees Grass Valley High School Dist., 2 story, rein.-con. $150,000. W. Mooser & H. B. Simpson, Nevada Bank Bldg., San Francisco, archts.

Man., Winnipeg—School—March 20, by School Bd., 2 story, brick and stone, Alverstone, Wellington and Burnell Aves. $700,000. J. N. Semmens, 508 Great West Permanent Bldg., archt.

BIDS RECEIVED

N. J., Jersey City—Schools—Bd. Educ. opened bids (a) general construction, (b) plumbing work, (c) heating and ventilating, (d) electrical work, in (1) grade school, Meseles St. (2) 3 story, junior high school, Greenville Sect., from W. H. and F. W. Cane, 10 Journal Sq., (1a) $592,000 (2a) $997,000; J. Jewkes & Son, 676 Montgomery St., (1a) $599,900; De Riso Bros., 17 Bergenline Ave., Union Hill, (1a) $619,740; J. P. Meehan, 271 Washington St., (1b) $51,774; W. J. Murphy Co., 134 Pavonia Ave., (1b) $53,721, (2b) $103,196; M. J. Gill Eng. & Equipment Co., 692 Newark Ave., (1b) $54,900 J. H. Cooney, 210 North 4th St., Harrison, (1c) $108,565, (2c) $203,624; J. F. Craig, 617 Communipaw Ave., (1c) $114,900, (2c) $206,945; Austin Eng. Co., 121 West 42nd St., New York, (1c) $116,390; Watson Flagg Eng. Co., 120 Liberty St., New York, (1d) $17,824, (2d) $33,468; M. J. Kennedy, 128 Columbia Ave., (1d) $18,554; W. J. Coleman, 29 Willow Court, (1d) $18,980, (2d) $31,874; M. T. Connolly Co., 238 17th St., (2a) $992,997; D'Ella Contg. Co., 574 Newark Ave., (2a) $995,500; W. W. Farrier Co., 44 Montgomery St., (2b) $97,666, (2c) $198,375; E. H. Moore Co., 102 York St., (2b) $99,215; Hoffman & Elias, 549 Columbus Ave., New York, (2d) $34,920. Noted Feb. 16.

W. Va., Wheeling—Store and Office—T. S. Riley, 48-14th St., 10 story, 33 x 130 ft., 14th and Chaplin Sts., from R. R. Kitchen Co., Natl. Bank of West Virginia Bldg., $132,890; A. W. Morrette Co., 23 East Exchange St., Akron, O., $134,889; C. D. Keyser & Co., Bellaire, O., $138,900.

O., Pleasant Hill—School—Hall & Lethly, archts., 806 Fairbanks St., Springfield, or Builders Exch., 250 Arcade St., Dayton, opened bids Feb. 18, general construction 3 story, rein.-con. and brick, Newton Twp., here, for Bd. Educ., from D. Moul, Pleasant Hill, $144,500; J. I. Barnes, Springfield, $152,500; I. G. Foultz, Columbus, $157,500. Noted Feb. 9.

Ind., Whiting—School—N. S. Spencer & Son, archts., 37 West Van Buren St., Chicago, 1 story. 125 x 200 ft., brick, here, for

Buildings (Continued)

Bd. Educ., from English Bros., 419 Lincoln Bldg., Champaign, Ill., $377,000; Rowley Bros., South La Salle St., Chicago, $392,000.

Wis., Shorewood (Milwaukee P. O.)—School—School Dist. 4, 2 story, brick and concrete addition, plain foundation, Atwater Rd., concrete and masonry work to Bennett Constr. Co., 403 Grand Ave., Milwaukee, $69,790; carpentry work to C. A. Kleppe, 1026 1st St., Milwaukee, $25,922. Noted Feb. 9.

Ia., Clarinda—High School—Bd. Educ., 2 story, 108 x 196 ft., rein.-con., brick, tile and stone, from J. H. Hunzinger, 29 North Governor St., Iowa City, $145,743; W. F. Kucharo, 622 Hubbell Bldg., Des Moines, $152,180; Western Constr. Co., 611 Flynn Bldg., Des Moines, $153,000. Noted Feb. 2.

Cal., Bakersfield — Lodge — B. P. O. E. Lodge, 4 story, rein.-con. and steel, general construction from Currie & Dulgar, Bakersfield, $176,000, Frederickson & Shannon, Cory Bldg., Fresno, $180,800, R. McLeran Co., Hearst Bldg., San Francisco, $188,519; structural steel from Golden Gate Iron Wks., 1541 Howard St., San Francisco, $34,244, Western Iron Wks., 141 Beale St., San Francisco, $35,490, McClintock-Marshall Co., 74 New Montgomery St., San Francisco, $35,590; heating and ventilating from Burham Plumbing Co., 1220 Webster St., San Francisco, $25,899, Scott Co., 243 Minna St., San Francisco, $27,865, B. A. Newman, 272 Roosevelt St., Fresno., $28,409.

Cal., Oakland—School—Bd. Educ., Alexander Hamilton School, Galindo St. and 35th Ave., (a) with steel shop, general contract from M. C. Vaughn, 357-12th St., $110,000, (a) $115,000; M. E. Hooper & Son, 1117 Webster St., $114,800, (a) $117,-300; Lawton & Vezey, Plaza Bldg., $118,-300, (a) $124,000; brick work from Mealey & Collings, 180 Jessie St., San Francisco, $12,890; White & Gloor, 180 Jessie St., San Francisco, $12,895; H. Beckwith, 180 Jessie St., San Francisco, $13,323; heating and ventilating from Scott Co., 243 Minna St., San Francisco, $19,970, (a) $20,200; J. Picard, 5656 College Ave., Piedmont, $20,267, (a) $20,147. Noted Feb. 9.

Cal., Sonoma—High School—Sonoma Valley Union High School, general contract 2 story, 145 x 170 ft., rein.-con., from P. M. Sanford, Richmond, $104,858; Cobby & Owsley, 180 Jessie St., San Francisco, $106,900; Larsen & Siegrist, 180 Jessie St., San Francisco, $108,777. Noted Feb. 9.

CONTRACTS AWARDED

Mass., Roxbury (Boston P. O.)—Sales—F. Ferdinand, Inc., 2206 Washington St., Boston, 8 story, rein.-con., 17-19 Warren St., here, to Turner Constr. Co., 178 Tremont St., Boston.

Mass., Whitinsville—Auditorium—Whitin Memorial Bldg. Trustees, c/o Whitin Machine Wks., will build 2 story, brick, steel and stone, Whitin Park, by day labor. $150,000. J. D. Leland & Co., 41 Mt. Vernon St., Boston, archts.

Conn., Hartford—Business—E. M. Stone, engr. and archt., 327 Trumbull St., 9 story, rein.-con., brick and steel, plain foundation, Pratt St., steel contract to Berlin Constr. Co., Berlin Depot, Berlin; masonry and concrete to Johnson & Wester Co., 159 Washington St., for Hudson Estate. Total cost $350,000. Noted Feb. 9.

Conn., New Haven—Church—St. Brendens Roman Catholic Church, 380 Sherman Ave., 1 story, 85 x 177 ft., brick, steel and stone, plain foundation, Whalley and Ellsworth Aves., to Connor & Haggerty, Inc., 962 Chapel St. $250,000. Noted Feb. 2.

N. Y., New York—Apartment—Crolier Building Co., c/o C. Schaefer, archt. and engr., 394 East 150th St., 5 story, brick, steel and stone, plain foundation, East 198th St., by day labor. $150,000.

N. Y., New York—Apartment—One Forty-One West 71st St. Corp., c/o Schwartz & Gross, archts. and engrs., 347 5th Ave., will build 9 story, brick, steel and stone, plain foundation, West 71st St., by day labor. Noted Jan. 19.

N. Y., New York—Apartment—Ramsay Realty Co., c/o H. L. Young, archt. and engr., 252 West 42nd St., will build 6 story, 93 x 167 ft., brick, steel and stone, plain foundation, 940 St. Nicholas Ave., by day labor. $450,000.

N. Y., New York—Apartment—Owner, c/o A. J. Thomas, archt. and engr., 137 East 45th St., will build 5 story, brick, steel and stone, plain foundation, 190th St. and Morris Ave., by day labor. $250,000.

N. Y., New York — Office — Bethlehem Eng. Corp., 527 5th Ave., will build 12 story, brick, steel and stone, plain foundation, 51st St. and Bway., by day labor. $700,000. Private plans.

Pa., Monessen—High School—Bd. Educ. 2 story, 126 x 200 ft. rein.-con., brick and steel, plain foundation, to P. H. Kelly Constr. Co., 1713 Sansom St., Phila. $300,-000.

Pa., Phila. — Bank — Third Natl. Bank, c/o L. R. Dickenson, Broad and Market Sts., 2 story, 65 x 72 ft. brick, steel and stone, plain foundation, Broad and Market Sts., to F. L. Hoover & Sons, 1023 Cherry Sts. $420,000.

Pa., Phila.—Library—F. H. Caven, dir. Pub. Wks., City Hall, 2½ story, 229 x 339 ft., rein-con., brick and steel, 19th St. and Parkway, to P. H. Kelly Constr. Co., Terminal Annex Bldg., $1,367,500. Noted March 2.

Pa., Phila.—Office—Stone & Webster, engrs., 147 Milk St., Boston, 4 story, rein.-con. and steel, plain foundation, 11th and Locust Sts., to Wark Co., 231 South Broad St., for Western Union Telephone Co., 5th and Chestnut Sts. $400,000. Noted Feb. 9.

Pa., Phila.—Store and Apartment—J. A. and E. Thompson, 2118 Orthodox St., 3 story, 69 x 148 ft., brick, steel and stone, plain foundation, Orthodox and Paul Sts., to T. Wilkinson, 3639 North 9th St., cost exceeds $150,000.

Pa., Phila.—Theatre and Office—Stanley Co., c/o J. E. Mastbaum, 1214 Market St., 10 story, rein.-con., brick and steel, caisson foundation, 11th and Market Sts., to Hoffman-Henon Co., Finance Bldg. $3,000,000. Noted Aug. 25.

Pa., Pittsburgh—Bank and Office—Trowbridge & Livingstone, archts., 525-5th Ave., New York, 3 story, 120 x 240 ft., Smithfield St. and 5th Ave., here to Mellon-Stuart Co., 428 Duquesne Ave., for Mellon Natl. Bank, 514 Smithfield St. $3,000,000. Noted Feb. 2.

Pa., Williamsport — Thomas Martin & Kilpatrick, archt., c/o Y. M. C. A., 343 West 4th St., 4 story, 108 x 154 ft. rein.-con. and brick, 4th and Elmira Sts., to Turner Constr. Co., 1713 Sansom St., Phila. $343,000. Noted Feb. 2.

D. C., Wash.—Office—R. S. Brooking, 6510 Ellenwood St., St. Louis, Mo., office building, here, to G. A. Fuller Co., Munsey Bldg., $175,000.

N. C., Davidson—Dormitory—Davidson College, brick, steel and stone, to Blythe & Isenhour, Realty Bldg., Charlotte, $335,000.

Ga., Augusta—Bank—Natl. Exch. Bank, 823 Broad St., brick, stone and steel, to Southern Ferro Concrete Co., Trust Co. of Georgia Bldg., Atlanta. $250,000. Noted Jan. 19.

Tenn., Memphis—High School—Bd. Educ., 3 story, brick and concrete, Richmond Ave., general contract to J. W. Jones, 1896 Peabody Ave., $176,527; heating to Fischer Heating Co., 2nd St., $34,159.

O., Middletown—High and Grade Schools—Bd. Educ., 2 story, 140 x 210 ft. high school, and 2 story, 75 x 160 ft. grade school, brick, steel and concrete, plain foundations, to Willing Bros. Co., Bellevue, $622,000. Noted Feb. 2.

Ill., Chicago—Apartment—B. L. Durham, 360 Ontario St., 3 story, 110 x 112 ft., rein.-con., brick and steel, 6924-34 Clyde Ave., to A. T. Herlin, 6117 Evans Ave. $150,000.

Ill., Chicago—Apartment—L. O. Thomas, 30 East Ontario St., 3 story, 71 x 147 ft., rein.-con., brick and steel, 5229-35 Woodlawn Ave., to A. T. Herlin, 6117 Evans Ave. $150,000.

Ill., Highland Park (Detroit P. O.)—Apartment and Store—R. T. Evans, 14 South 1st St., 2 and 3 story, 75 x 110 ft., brick, concrete and stone, to Zimmer & Huber, Green Bay Rd. $150,000.

Ill., Joliet—Administration—State of Illinois, c/o J. Lambert, pres. Penitentiary Comn., 209 South La Salle St., Chicago, will build 4 story, rein.-con., brick and stone, here, by convict labor, under supervision H. W. Tomlinson, supt., 706 Heggie Bldg., Joliet. $275,000. Noted Nov. 10.

Wis., Milwaukee — Apartment — G. W. Adams Bldg., Co., 114 Grand Ave., 4 story, 50 x 116 ft., brick, tile and concrete, plain foundation to Brun Constr. Co., 387 Clinton St. $150,000.

Minn., Minneapolis—Apartment—H. Zinman, 2017 Aldrich Ave. S., 3 story, 125 x 140 ft., rein.-con., brick, tile and stone, to Fleisher Constr. Co., 608 Builders Exch. Bldg., $165,000. Noted Jan. 19.

Minn., St. Paul—Schools—Bd. Educ., 3 story, 70 x 260 ft., Harrison St. and Western Ave. and 3 story, 66 x 130 ft., Arcade and Hyacinth Sts., to L. W. Baumeister & Son, 1145 Ross St., $251,000 and $154,000 respectively; 3 story, Linwood Pl., to P. A. Swenson & Co., 202 Bremer Arcade, $143,935. All rein.-con., brick, tile and stone. Noted Feb. 16.

Kan., Lyndon—Court House and Jail—Osage Co., c/o S. Olcott, clk., 3 story, 84 x 100 ft., brick, steel, rein.-con. and stone, to M. J. Green, Manhattan. $200,000.

Kan., Pittsburg — Gymnasium — State Normal School, c/o J. A. Kimball, mgr., Topeka, 1 story, 110 x 150 ft., brick and steel, here, to Murch Constr. Co., [illegible] Exch. Bldg., St. Louis, Mo. Noted Feb. [illegible]

S. D., Canton—High School—Bd. Educ., 2 story, 160 x 180 ft., rein.-con., brick, stone and steel, to Carlson, Smitley Co., Sioux Falls. Noted Nov. 24.

N. D., Rolla—School—Bd. Educ., Mt. Pleasant School Dist. 4, 3 story, [illegible] x 78 ft., rein.-con., brick and stone, to Jelseth & Johnson, Devils Lake. Noted Feb. 9.

Mo., Maryville — Dormitory — R. Meier, archt., 203 Lincoln Bldg., St. Joseph, 3 story, 42 x 250 ft. with 40 x 85 ft. wing, brick and stone, here, to C. B. Campbell Co., Creston, Ia., for State Teachers College. $133,800. Noted Feb. 16.

Mo., St. Louis—Church and Sunday School—A. Meyer, archt., Central Natl. Bank Bldg., 1 story, 48 x 109 ft. and 53 x 60 ft., brick, steel and terra cotta, Grand and Lee Aves., to A. Winkle, 1810 North Leffingwell Ave., for St. Johns Evangelical Church, 414 North 4th St. Noted Jan. 12.

N. M., Albuquerque—Bank and Office—First Natl. Bank, 2nd and Gold Aves., 8 story, 120 x 140 ft., rein.-con., plain foundation, Central Ave., to Sumner-Sollitt Co., 416 Trust Bldg., El Paso, Tex., $450,000. Noted Dec. 30, 1920.

N. M., Albuquerque—Hotel—Albuquerque Hotel Co., 7 story, 120 x 140 ft., rein.-con., plain foundation, Central Ave., to J. J. Garfield, Tucson, Ariz., $300,000. Noted Feb. 24, 1921.

Cal., Citrus—Schools—Citrus Union High School Dist., five 1 story buildings, rein.-con. and stone, from North Pacific Constr. Co., 309 Hibernian Bldg., Los Angeles, $202,964; J. C. Bannister, 903 North Mariposa Ave., Los Angeles, $233,070; Wopschall Bros., 100 East Colorado St., Pasadena, $235,000. Noted Feb. 9.

Cal., Sacramento — Capitol — Dept. Pub. Wks., Forum Bldg., two 5 story, steel, granite and stone additions to State Capitol, excavating work to G. Pollock Co., Forum Bldg., $18,440; steel and iron work to U. S. Steel Products Co., Rialto Bldg., San Francisco, $22,500; brick work to W. G. Reed, 180 Jessie St., San Francisco, $154,421; terra cotta work to Gladding, McBean Co., Crocker Bldg., San Francisco, $220,000; granite to McGilvray Raymond Co., 634 Townsend St., San Francisco, $768,885; concrete and piling to K. E. Parker Co., Clunie Bldg., San Francisco, $370,990. Noted Mar. 2.

Que., Montreal—Office—Ross & McDonald, archts., 1 Belmont St., 10 story, 80 x 164 ft., brick, steel and stone, Guy St., to Anglin-Norcross & Co., 37 Victoria St. $500,000. Owner's name withheld.

Federal Government Work

PROPOSED WORK

Mass., Malden—Post Office—Treas. Dept., Wash., D. C., plans U. S. Post Office, Main and Center Sts., here. J. A. Wetmore, superv. archt.

N. Y., New York—Remodeling—Spec. 4598—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to remodel Bldg. 515, marine barracks, here.

Va., Hampton Roads—Fuel Oil Storage—Spec. 4590—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans fuel oil storage as naval operating station, here.

Wash., Smith Island—Radio Compass Station—Spec. 4594—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans radio compass station, here.

Cal., Mare Island—Remodeling Quarters—Spec. 4593—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to remodel officers quarters at marine barracks, here.

Cal., Mare Island—Remodeling—Spec. 4601—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to remodel south half Bldg. 53, here.

Cal., Point Loma—Garage, etc.—Spec. 4599—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans garage, here, and coal shed at Imperial Beach.

Cal., San Diego—Altering Quarters—Spec. 4592—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to alter operators quarters, Chellas Heights, here.

P. I., Las Banas—Radio Quarters—Spec. 4597—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans radio quarters, here.

Samoa, Tutulla—Radio Towers—Spec. 4600—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans two 300 ft. radio towers, here.

BIDS DESIRED

Mass., Boston—Equipment—Spec. 4583—March 29, by Bureau Yards & Docks, Navy Dept., Wash., D. C., coal handling equipment, here. Noted Feb. 23.

Va., Salem—Post Office—March 28, by Treas. Dept., Wash., D. C., post office, incl. mechanical equipment, here. J. A. Wetmore, acting superv. archt.; adv. this issue.

Federal Government Work (Continued)

Tenn., Memphis — Coal — March 22, at Office Mississippi River Comn., 1st and 2nd Dists., Custom House, 33,000 ton coal in barges; adv. this issue.

Tenn., Memphis—Rope—March 30, by Mississippi River Comn., 1st and 2nd Dists., Customhouse, manila rope; adv. this issue.

Miss., Vicksburg—Steel Hull—March 21, by U. S. Engineer, P. O. Box 421, 1 steel maneuver boat hull; adv. this issue.

Ariz., Prescott—Boilers, etc.—March 23, by Treas. Dept., Wash., D. C., and at office Supt. Constr. U. S. Veterans Hospital, Whipple Barracks, here, 2 new boilers and mechanical changes in cold storage and ice plant here. J. A. Wetnore, acting superv. archt.

Wash., Puget Sound—Extension—Spec. 4577—April 12, by Bureau Yards & Docks, Navy Dept., Wash., D. C., ordnance plant extension to Building 368. Noted Jan. 26.

Ore., Salem—Extension to Workroom, etc. —March 29, by Treas. Dept., Wash., D. C., extension to workroom and driveway, U. S. Post Office, here. J. A. Wetmore, acting superv. archt.

Cal., Palo Alto—Hospital—April 10, at office J. W. Roberts, superv. supt., Room 403, Post Office, San Francisco, constructing 19 buildings, exclusive mechanical equipment, of U. S.. Veterans Hospital, here; adv. this issue. Noted March 2.

Cal., Palo Alto—Mechanical Equipment—April 10, by Treas. Dept., Wash., D. C., mechanical equipment in 19 buildings of U. S. Veterans Hospital, here. J. A. Wetmore, acting superv. archt. Noted Mar. 2.

Cal., San Diego—Equipment—Spec. 4587 —March 29, by Bureau Yards & Docks, Navy Dept., Wash., D. C., mess and kitchen equipment, at Training Station, here. Noted Feb. 23.

Cal., San Diego—Gun Shed, etc.—Spec. 4579—April 12, by Bureau Yards & Docks, Navy Dept., Wash., D. C., gun shed and stable, at Marine Corps Base, here. Noted Jan. 26.

BIDS RECEIVED

Mass., Fourth Cliff—Barracks—Spec. 4568—Bureau Yards & Docks, Navy Dept., Wash., D. C., barracks, here, and radio compass station, at Scituate, (1) work complete from W. F. Martens, 53 Franklin St., Rochester, N. Y., $13,848 (160 days); M. Serretto, 3 Tremont Row, Boston, $14,400 (120 days); Beacon Constr. Co., 15 Beacon St., Boston, $14,693 (90 days). Noted Feb. 9.

Va., Yorktown—Steam Piping System—Spec. 4573—Bureau Yards & Docks, Navy Dept., Wash., D. C., steam piping systems at navy mine Depot, here, (1) work complete, from Newport Contg. & Eng. Co., Law Bldg., Newport News, (1) $6,462, (2) deduct $300, (3) add $200; S. R. Curtis, Lee Hall, (1) $7,584 (90 days), (2) deduct $500, (3) add $223; Noland-Clifford Co., 322 28th St., Newport News, (1) $7,700 (90 days), (2) deduct $400, (3) add $270. Noted Jan. 5.

Ariz., Globe—Post Office—Treas. Dept., Wash., D. C., for U. S. Post Office, here, from Duvall & Dietrick, Canton, O., $89,664; W. D. Lovell, 1415 8th St., Minneapolis, Minn., $93,400; C. E. Goodhand, Gering, Neb., $97,000. Noted Feb. 2.

Wash., Puget Sound—Seawall—Spec. 4562—Bureau Yards & Docks, Navy Dept., Wash., D. C., seawall at Navy Yard, here, (1) work complete, from J. A. McEachern Co., 552 Coleman Bldg., Seattle, (1) $418,000 (300 days), (2) $4,800 (10 days), (3) $4,900 (10 days), (4) $5,200 (10 days), (5) $3,000 (3 days), (6) $246,000 (300 days), (7) $2,600 (10 days), (8) $2,800 (10 days), (9) $2,200, (11) $13, (12) $0.12, (13) $20, (14) $0.12, (15) $33, (16) $0.55; W. T. Butler, 527 Central Bldg., Seattle, (1) $442,500 (300 days), (2) $3,110 (5 days), (3) $3,050, (4) $3,090, (5) $3,100, (6) $278,400 (300 days), (7) $2,740, (8) $3,050, (9) $2,680, (11) $14, (12) $0.20, (13) $29, (14) $0.40, (15) $42, (16) $0.70; A. W. Quist Co., 311 Hogg Bldg., Seattle, (1) $479,138, (2) $4,000, (3) $4, (4) $4, (5) $3,500, (6) $327,454, (7) $3,500, (9) $3,100, (11) $11, (12) $0.32, (13) $20, (14) $0.50, (15) $35, (16) $0.77 (300 days); Puget Sound Bridge & Dredge Co., Central Bldg., Seattle, alternate bid, (2) Item (10) $152,000 (250 days). Noted Jan. 19.

CONTRACTS AWARDED

Mass., Boston — Remodeling Hospital — Treas. Dept., Wash., D. C., remodeling south wing Marine Hospital, here, to M. Serretto, 3 Tremont Row. $14,400. Noted Feb. 16.

N. Y., Buffalo—Stone—U. S. Engineer, stone on square Island Dike, to Buffalo Crushed Stone Co., Ellicott Sq., $21,060.

N. Y., New York—Mains—Treas. Dept., Wash., D. C., mains at Quarantine Station, here, to Merritt & Chapman Derrick & Wrecking Co., 17 Battery Pl., $39,400.

Va., Hampton Roads—Motor Generator-Set, etc.—Spec. 4570—Bureau Yards and Docks, Navy Dept., Wash., D. C., motor generator set and switchboard, at naval operating base, here, to General Electric Co., River Rd., Schenectady, N. Y. $16,860 (180 days). Noted Feb. 23.

N. C., Oteen—Construction and Mechanical Equipment—Treas. Dept., Wash., D. C., construction U. S. Pub. Health Serv. Hospital, here, to Fanning & Quinn, Board Trade Bldg., Norfolk, Va., $297,694; mechanical equipment for above, to Union Electric Co., 624 Poydras St., New Orleans, La. $63,500. Noted Feb. 9.

Fla., Pensacola—Bridge—Spec. 4569—Bureau Yards & Docks, Navy Dept., Wash., D. C., timber bridge at Naval Air Station, here, to Doullut & Williams Co., Inc., 816 Howard St., New Orleans, La., $32,277 (120 days). Noted March 2.

Fla., Tampa—Storehouse—U. S. Engineer, Jacksonville, storehouse, here, to E. M. Scott, Tampa, $10,894.

La., New Orleans—Steel Hull—U. S. Engineer, 329 Custom House, steel hull for U. S. Steamer Hyacinth, to Howard Shipyards & Dock Co., Jeffersonville, Ind., $11,884. Noted Feb. 2.

Ky., Louisville—Steel Hull—U. S. Engineer, Box 72, steel maneuver boat hull, for Dam 48, Ohio River, to C. Hegewald Co., New Orleans, La., $6,290. Noted Jan. 26.

California—Bridge—U. S. Bur. Pub. Rds., Dept. Agriculture, 881 Mills Bldg., San Francisco, 310 ft. steel span, Klamath River Bridge, on Klamath River Natl. Forest Rd., 23 mi. south of Happy Camp and 98 mi. from Hornbrook, to Lindstrom & Feigenson Co., Worcester Bldg., Portland, Ore., $54,889. Noted Feb. 9.

California—Road—U. S. Bur. Pub. Rds., Dept. Agriculture, 881 Mills Bldg., San Francisco, 3.4 mi. Klamath River Rd. Tee Bar Sect., 15 mi. above Somes Bar, to W. Vander Hellen, Eagle Point, Ore., $39,414. Noted Feb. 9.

Cal., San Diego—Refrigerating and Cold Storage Plant—Spec. 4543—Bureau Yards & Docks, Navy Dept., Wash., D. C., refrigerating and cold storage plant at naval base, hospital reservations, here, to Wittenmeier Machy. Co., 650 North Spaulding Ave., Chicago, $29,970 (90 days). Noted Feb. 9.

Miscellaneous

PROPOSED WORK

Water Power Development—Watertown, N. Y.—Plans to vote on $500,000 bonds for water power development. R. E. Cahill, mayor.

Seawall—New Orleans, La.—F. M. Kerr, ch. state engr., submitted preliminary report to New Orleans Levee Bd., for building (1) concrete sea wall, or (2) sea beach, from West End to Spanish Fort, 10,950 ft., (1) $1,923,100, (2) $1,219,000; from Spanish Fort to Milneburg, 8,300 ft., (1) $1,067,750, (2) $625,225; Milneburg to Seabrook, 6,700 ft., (1) $1,067,750, (2) $625,225. F. C. Hymel, pres.

Golf and Athletic Field—Cleveland Heights (Warrensville P. O.), **O.**—See "Buildings."

Spillway, etc. — Birmingham, Mich. — Quarton Lakes Estates plan concrete spillway, retaining walls and earth embankment near here, incl. 2,800 cu.yd. excav., 2,650 cu.yd. earth fill, 550 cu.yd. rein.-con. and 9 ton reinforcing. C. W. Hubbell, 2348 Penobscot Bldg., Detroit, and G. S. Williams, Cornwall Bldg., Ann Arbor, engrs.

Transmission Line—Dane, Wis.—Wisconsin River Power Co., Gay Bldg., Madison, having plans prepared 35 mi. transmission line from here to Beaver Dam, 33,000 voltage, also outside sub station at Columbus. Work will probably be done by day labor.

Electric Lighting System—Wellington, Tex.—Attorney Generals Dept., Austin, approved $50,000 bond issue for electric lighting system. Address Mayor.

Tractor—Palo Alto, Cal.—City Council plans to purchase tractor. J. F. Bxybee, Jr., city engr.

Electric Light and Power System — Komoka, Ont.—Plans electric light and power distribution system. $33,000. A. Purcell, 190 University Ave., Toronto, engr.

Heating System—Toronto, Ont.—Had plans prepared for heating sytems in live stock arena, Exhibition Park, one to cost $100,000, other $130,000. W. Price, city archt.

BIDS DESIRED

Oil, Trap Rock, etc.—Woonsocket, R. I. — March 13 by Bd. Aldermen, oil, trap rock, asphalt and manure. F. H. Mills, city engr.; adv. this issue.

Electric Wiring, etc.—Binghamton, N. Y. —March 15, by State Hospital Comn., Albany, electric wiring in east and south buildings, laundry equipment, drying tumbler, at State Hospital, here. L. F. Pilcher, state archt.; adv. this issue.

Ornamental Lighting System—Binghamton, N. Y.—March 15, by Secretary Bd. Contract & Supply, ornamental lighting system on Chenango St. from Court to Lewis Sts., Court St. from Exchange to Carroll Sts., and Water St. from Court to Hawley Sts. $100,000. Address A. B. Jones, city clk.

Borings—Brooklyn, N. Y.—March 17, by Bd. Estimate, City Hall, New York, making borings along line of proposed tunnel across narrows extending from vicinity of 66th St. and 4th Ave., here, under New York Bay to Manor Rd. and Forest Ave., Richmond.

Granite Paving Blocks—New York, N. Y.—March 13, by J. Miller, pres. Manhattan Boro, Municipal Bldg., furnishing and delivering 50,000 new granite paving blocks.

Subway—Rochester, N. Y.—March 29, by Bd. Contract & Supply, 37 City Hall, subway from Court to Oak Sts., Contr. I. H. I. Davis, secy.; adv. this issue.

Steam Roller—Watertown, N. Y.—Bd. Pub. Wks. receiving bids for 10 ton steam roller. C. A. McLennan, purch. agt.

Electric Lights and Iron Lamp Posts—Jersey City, N. J.—See "Streets and Roads."

Pier—Phila. Pa.—March 24, at office G. F. Sproule, dir. Dept. Wharves, Docks & Ferries, 550 Bourse Bldg., superstructure of Porter St. Pier; adv. this issue.

Asphalt—Salisbury, N. C.—H. E. Rufty, chn. Bd. Comrs. Rowan Co., receiving bids 200,000 gal. asphalt for penetration method, or surface treatment.

Graders—Whitehall, Wis.—March 14, by E. F. Rotering, comr. Trempealeau Co., one large grader and 2 small graders.

Portland Cement, etc.—St. Paul, Minn.—March 20, by H. W. Austin, city purch. agt., 1,400 bbl. portland cement; 400 ton asphalt; 2,000 cu.yd. asphalt sand; 400 ton limestone dust; 500 ton crushed rock; sewer pipe castings; manhole frames and covers. O. Claussen, city engr.

Drill Tower—San Francisco, Cal.—March 15, by Bd. Pub. Wks., erecting fire drill tower, Division St. near 11th St. 41,000. J. Reid, Jr., 1st Natl. Bank Bldg., city archt. Noted Feb. 16.

BIDS RECEIVED

Curbstone—Montreal, Que.—For 40,000 ft. straight granite curbstone and 5,000 ft. curved curbstone, from G. Labelle, 35 Labelle St., $0.95 and $1.10 per ft. respectively. Noted Jan. 19.

CONTRACTS AWARDED

Steel Stacks—Brooklyn, N. Y.—Brooklyn Edison Co., Inc., 360 Pearl St., two 15 x 250 ft. steel stacks, for new power plant, foot of 66th St., to Chicago Bridge & Iron Wks., 30 Church St., New York.

Setting Coping—Wash., D. C.—Office Bd. Pub. Buildings and Grounds, c/o C. O. Sherrill, 1729 New York Ave., setting granite coping around reflecting pool in West Potomac Park, to Corson & Gruman, 33rd and K St., $10,266.

Waterproofing—Wash., D. C.—Office Bd. Pub. Buildings and Grounds, c/o C. O. Sherrill, 1729 New York Ave., waterproofing reflecting pool, West Potomac Park, to Rose Bros. Co., 2122 Georgia Ave., $61,910.

Lumber—New Orleans, La. — Bd. Port Comrs., 310,000 ft. untreated southern yellow pine, to W. W. Carre & Co., Hibernia Bank Bldg., $10,319. Noted Jan. 19.

Pole Setting Equipment—Detroit, Mich. —Pub. Lighting Comn., Atwater St., earth boring and pole setting machine, to Western Electric Co., 1947 Kirby Ave., $14,158. Noted Feb. 17.

Tractor—St. Cloud, Minn.—Searns Co., caterpillar tractor with engine 40 hp. minimum, to Holt Mfg. Co., 417 Washington Ave. N., Minneapolis, $6,125. Noted Jan. 19.

Reinforcing Steel—St. Paul, Minn.—H. W. Austin, city purch. Agt., 518.96 ton reinforcing steel for Water Dept., to P. J. Kalman Co., 514 Merchants Natl. Bank Bldg., $21,498. Noted Feb. 9.

Electroller System—Merced, Cal.—Electroller system, to C. E. Osborn, Turlock, $53,132. Noted Jan. 19.

OFFICIAL PROPOSALS

Bids: March 21st.

Concrete Highway

Manasquan, N. J.

NOTICE is hereby given that sealed bids will be received by the Borough Council of the Borough of Manasquan, N. J., for the construction of a reinforced concrete pavement on North Broad, Broad Street, and a portion of Main and South Streets, in said Borough and opened and read in public at the Council Chambers on Broad Street, Manasquan, N. J., an Tuesday, March 21, 1922, at 8 p.m.

Drawings and specifications for the proposed work, prepared by George D. Cooper, Civil Engineer, have been filed in the office of said Engineer at 60 Broad St., Red Bank, N. J., and in the office of the Borough Clerk, Manasquan, N. J., and may be inspected by prospective bidders during business hours. The standard proposal form is attached to the specifications, copies of which will be furnished on application to the Engineer.

Plans and specifications will be furnished to prospective bidders by the engineer, George D. Cooper, at his office at 60 Broad Street, Red Bank, N. J., upon payment of Ten Dollars ($10.00), which amount will be refunded upon return of plans and specifications before the time specified for the opening of bids.

Bids must be made on the standard proposal forms in the manner designated therein and required by the specifications, must be enclosed in sealed envelopes, bearing the name and address of the bidder on the outside, addressed to the Borough Council of the Borough of Manasquan and must be accompanied by a certified check for a sum not less than ten (10) per cent of the amount bid on the work, payable to the order of the Collector of the Borough of Manasquan, and a surety company certificate stating that said surety company will provide the bidder with the required bond, and must be delivered at the place and hour above named.

The Borough Council of the Borough of Manasquan, N. J., reserves the right to reject any or all bids if deemed to the best interests of the Borough to do so.

By order of the Borough Council of Manasquan, N. J.

LLOYD C. RIDDLE,
Mayor.

Attest:
ANNIE B. APPLEGET,
Clerk.

Manasquan, N. J., February 28, 1922.

Bids: March 15.

Electric Wiring, Etc.

Binghamton, N. Y.

Notice to Contractors: Sealed proposals for Electric Wiring in East Building; Electric Wiring in South Building; and Laundry Equipment—Drying Tumbler, at the Binghamton State Hospital, Binghamton, N. Y., will be received by the State Hospital Commission, Capitol, Albany, N. Y., until 3 o'clock P.M. on Wednesday, March 15, 1922, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a certified check in the sum of five per cent (5%) of the amount of the proposal. The contractor to whom the award is made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of the contract within thirty (30) days after official notice of award of contract and in accordance with the terms of Specifications Nos. 3848, 3849 and 3856. The right is reserved to reject any or all bids. Drawings and specifications may be examined at the Binghamton State Hospital, Binghamton, N. Y.; at the New York Office of the Department of Architecture, Room 618, Hall of Records Building, and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, L. F. Pilcher, Capitol, Albany, N. Y.

L. M. FARRINGTON,
Secretary, State Hospital Commission.

Dated: February 17, 1922.

Bids: March 27.

Concrete Arch Bridge

Johnstown, Pa.

Sealed proposals will be received at the Office of the Superintendent of Streets and Public Improvements, City Hall, Johnstown, Pa., until 12 o'clock noon of Monday, March 27, 1922, for the construction of a two-span, reinforced concrete arch bridge over the Stonycreek River at Haynes Street, connecting the 4th and 5th Wards of the City of Johnstown, Pa., in accordance with plans and specifications on file in the office of the city engineer.

Estimated Quantities

The length of bridge, 225 ft. face to face of abutments.
1,196± cu.yd. class A concrete.
1,380± cu.yd. class B concrete.
70± cu.yd. class C concrete.
183,832± lb. reinforcing steel.
17,000± sq.ft. water proofing.
1,500± cu.yd. back filling.
2,800±cu.yd. excavation for abutments, wing walls, and pier.
957± sq.yd. paving surface.

Plans, specifications and blank proposals can be obtained at the office of the city engineer on payment of five dollars ($5) deposit, which will be returned on the day of the letting to those submitting bids, providing the plans are returned in good condition.

Each proposal must contain the full name of the party or parties presenting the same and the full name of all persons interested therein; and must be accompanied by a bond, duly and legally executed for an amount which shall not be less than five per cent (5%) of the contract price, or a certified check for like amount, on a solvent bank doing business in the City of Johnstown, Pa., and made payable without reservation to the order of the Treasurer of the City of Johnstown, Pa., as a guarantee that if the proposal be accepted a contract will be entered into.

All proposals must be made on the blank forms attached to the specifications as none other will be accepted, and they shall be enclosed in an envelope bearing the name and address of the bidder and marked "Proposal for Haynes Street Bridge," and shall be addressed to "The Superintendent of Streets and Public Improvements."

The City reserves the right to reject any or all bids, to waive irregularities, and to award the contract as may be deemed to the best interests of the City.

M. LEE MASTERTON,
Superintendent of Streets and Public Improvements.

Bids: Mar. 14th.

Highway Work

Albany, N. Y.

Sealed proposals will be received by the undersigned, at their office, No. 55 Lancaster Street, Albany, N. Y., at one o'clock p.m. on Tuesday, the 14th day of March, 1922, for the improvement of highways in the following counties:

BROOME	(two highways:	2.47 & 5.60)
CATTARAUGUS	(two highways:	2.84 & 1.91)
DELAWARE	(one highway:	2.58)
DUTCHESS	(one highway:	4.88)
FULTON	(one highway:	3.50)
MONROE	(one highway:	2.76)
ONEIDA	(one highway:	1.06)
SUFFOLK	(one highway:	5.96)
WYOMING	(one highway:	8.08)

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, N. Y., and also at the office of the division engineers in whose division the roads are to be improved. The addresses of the division engineers and the counties in which they are in charge will be furnished upon request.

The especial attention of bidders is called to "General Information for Bidders" in the itemized proposal, specifications and contract agreement.

STATE COMMISSION OF HIGHWAYS
HERBERT S. SISSON,
Commissioner.

J. C. FINCH,
Secretary.

Bids: Mar. 29.

Subway Construction

Rochester, N. Y.

Sealed proposals will be received at the office of the Board of Contract and Supply, 37 City Hall, Rochester, N. Y., until 11 a.m., March 29, 1922, for Subway Construction, Contract No. 1, from Court Street to Oak Street, pursuant to the provisions of Ord. No. 5833, adopted by the Common Council, November 22, 1921.

The work will consist of excavation in the abandoned Erie Canal and the construction of a concrete superstructure therein to be used for a 4-track rapid transit subway in the lower level, and as a street at the grade of the adjoining property.

All proposals must be made upon the blank form of proposal which, together with the plans, specifications, Engineer's estimates of quantities, and other information, will be furnished at the office of the City Engineer, 52 City Hall, after March 8, 1922.

A deposit of fifty dollars ($50.00) will be required by the City Engineer for copies of plans and specifications furnished to prospective bidders, which deposit will be refunded on return of said plans and specifications.

A certified check for eighty thousand dollars ($80,000.00), payable to the City of Rochester, must accompany the proposal as an earnest of good faith, and the successful bidder or bidders will be required to execute to the city a Surety Company bond in the sum of eight hundred thousand dollars ($800,000.00) for the faithful performance of the contract and the payment of all laborers' wages.

Each proposal must be enclosed in a sealed envelope addressed to the Board of Contract and Supply, and must be indorsed on the envelope with the title of the work for which the proposal is made.

The Board reserves the right to reject all bids if it shall deem it for the best interests of the city.

HIRAM I. DAVIS,
Secretary.
Board of Contract and Supply.

Bids: March 22.

Sewers and Appurtenances

Towson, Md.

Sealed proposals addressed to the County Commissioners of Baltimore County and endorsed bids for the laying of Sewers and Appurtenances thereto in the town of Towson, will be received at their office in the Court House, Towson, Md.

Until 12 o'clock Noon
March 22, 1922

when they will be publicly opened and read.

Proposal No. 1—Approximately.
60,000 lin. ft. various size sewer pipe.
50,000 cu. yds. trench excavation
160 manholes and covers
700 lampholes
40 cu. yds. concrete

Proposal No. 2—For Constructing Disposal Plant and Appurtenances,
2,000 cu. yds. excavation
700 " " embankment
6 M.B.M. sheeting
45 cu. yds. sand for sludge beds
70 " " gravel " " "
1,800 " " filtration stone
260 ft. vitrified pipe
4,320 " 6-in. half round
510 cu. yds. concrete
25,000 lbs. steel reinforcement
23 tons C.I. pipe special castings
20 gate valves

Each bid must be accompanied by a certified check for Five Hundred ($500.00) Dollars as a guarantee that the successful bidder will sign the contract.

A security bond for the amount equal to the amount of the contract will be required of the successful bidder.

Plans and specifications can be seen in the Roads & Sanitary Engineer's Office after March 13, 1922.

The County Commissioners reserve the right to reject any or all bids.

By Order of the Board,
JOHN R. HAUT,
Chief Clerk

HENRY G. SHIRLEY,
Roads & Sanitary Engineer.